# Henk Bolink

List of Publications by Year
in descending order



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|---|---|---|---|
| 341 papers | 23,948 citations | 6592 79 h-index | 9553 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. | 1.4 | 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. | 2.6 | 13 |
| 3 | Quadruple-Cation Wide-Bandgap Perovskite Solar Cells with Enhanced Thermal Stability Enabled by Vacuum Deposition. ACS Energy Letters, 2022, 7, 1355-1363. | 8.8 | 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. | 1.2 | 2 |
| 5 | Intrinsic Organic Semiconductors as Hole Transport Layers in pâ€“iâ€“n Perovskite Solar Cells. Solar Rrl, 2022, 6, . | 3.1 | 8 |
| 6 | Semitransparent near-infrared Snâ€“Pb hybrid perovskite photodetectors. Journal of Materials Chemistry C, 2022, 10, 13878-13885. | 2.7 | 12 |
| 7 | Perovskite light-emitting diodes. Nature Electronics, 2022, 5, 203-216. | 13.1 | 268 |
| 8 | ITO Topâ€Electrodes via Industrialâ€Scale PLD for Efficient Bufferâ€Layerâ€Free Semitransparent Perovskite Solar Cells. Advanced Materials Technologies, 2022, 7, . | 3.0 | 12 |
| 9 | Dimensionality Controls Anion Intermixing in Electroluminescent Perovskite Heterojunctions. ACS Photonics, 2022, 9, 2483-2488. | 3.2 | 3 |
| 10 | Amplified Spontaneous Emission Threshold Dependence on Determination Method in Dye-Doped Polymer and Lead Halide Perovskite Waveguides. Molecules, 2022, 27, 4261. | 1.7 | 8 |
| 11 | Amplified spontaneous emission in thin films of quasi-2D BA<sub>3</sub>MA<sub>3</sub>Pb<sub>5</sub>Br<sub>16</sub> lead halide perovskites. Nanoscale, 2021, 13, 8893-8900. | 2.8 | 8 |
| 12 | Assigning ionic properties in perovskite solar cells; a unifying transient simulation/experimental study. Sustainable Energy and Fuels, 2021, 5, 3578-3587. | 2.5 | 6 |
| 13 | Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. Nature Photonics, 2021, 15, 148-155. | 15.6 | 590 |
| 14 | Crystal Reorientation and Amorphization Induced by Stressing Efficient and Stable Pâ€“Iâ€“N Vacuumâ€Processed MAPbI<sub>3</sub> Perovskite Solar Cells. Advanced Energy and Sustainability Research, 2021, 2, 2000065. | 2.8 | 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. | 2.5 | 11 |
| 16 | Efficient Wide-Bandgap Mixed-Cation and Mixed-Halide Perovskite Solar Cells by Vacuum Deposition. ACS Energy Letters, 2021, 6, 827-836. | 8.8 | 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. | 1.9 | 17 |
| 18 | Vacuum-Deposited Microcavity Perovskite Photovoltaic Devices. ACS Photonics, 2021, 8, 2067-2073. | 3.2 | 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. | 1.9 | 28 |
| 20 | Stable Lightâ€Emitting Electrochemical Cells Using Hyperbranched Polymer Electrolyte. Advanced Functional Materials, 2021, 31, 2104249. | 7.8 | 11 |
| 21 | Advances in solution-processed near-infrared light-emitting diodes. Nature Photonics, 2021, 15, 656-669. | 15.6 | 136 |
| 22 | Pulsed Laser Deposition of Cs<sub>2</sub>AgBiBr<sub>6</sub>: from Mechanochemically Synthesized Powders to Dry, Single-Step Deposition. Chemistry of Materials, 2021, 33, 7417-7422. | 3.2 | 29 |
| 23 | Reduced Recombination Losses in Evaporated Perovskite Solar Cells by Postfabrication Treatment. Solar Rrl, 2021, 5, 2100400. | 3.1 | 5 |
| 24 | Tuning the Optical Absorption of Sn-, Ge-, and Zn-Substituted Cs<sub>2</sub>AgBiBr<sub>6</sub> Double Perovskites: Structural and Electronic Effects. Chemistry of Materials, 2021, 33, 8028-8035. | 3.2 | 18 |
| 25 | Low Temperature, Vacuumâ€Processed Bismuth Triiodide Solar Cells with Organic Smallâ€Molecule Hole Transport Bilayer. Energy Technology, 2021, 9, 2100661. | 1.8 | 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. | 1.6 | 17 |
| 27 | Sputtered transparent electrodes for optoelectronic devices: Induced damage and mitigation strategies. Matter, 2021, 4, 3549-3584. | 5.0 | 43 |
| 28 | Use of Hydrogen Molybdenum Bronze in Vacuumâ€Deposited Perovskite Solar Cells. Energy Technology, 2020, 8, 1900734. | 1.8 | 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. | 3.1 | 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. | 1.8 | 34 |
| 31 | Making by Grinding: Mechanochemistry Boosts the Development of Halide Perovskites and Other Multinary Metal Halides. Advanced Energy Materials, 2020, 10, 1902499. | 10.2 | 76 |
| 32 | Preparation and Characterization of Mixed Halide MAPbI<sub>3âˆ’<i>x</i></sub>Cl<sub><i>x</i></sub> Perovskite Thin Films by Threeâ€Source Vacuum Deposition. Energy Technology, 2020, 8, 1900784. | 1.8 | 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. | 1.3 | 5 |
| 34 | Highly Photoluminescent Blue Ionic Platinum-Based Emitters. Inorganic Chemistry, 2020, 59, 1145-1152. | 1.9 | 27 |
| 35 | Dry Mechanochemical Synthesis of Highly Luminescent, Blue and Green Hybrid Perovskite Solids. Advanced Optical Materials, 2020, 8, 1901494. | 3.6 | 16 |
| 36 | Vacuum-Deposited Multication Tinâ€“Lead Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 2755-2761. | 2.5 | 16 |

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|---|---|---|---|
| 37 | Deposition Kinetics and Compositional Control of Vacuum-Processed CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskite. Journal of Physical Chemistry Letters, 2020, 11, 6852-6859. | 2.1 | 43 |
| 38 | Enamine-based hole transporting materials for vacuum-deposited perovskite solar cells. Sustainable Energy and Fuels, 2020, 4, 5017-5023. | 2.5 | 6 |
| 39 | Hybrid Vapor-Solution Sequentially Deposited Mixed-Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 8257-8265. | 2.5 | 21 |
| 40 | Tunable luminescent lead bromide complexes. Journal of Materials Chemistry C, 2020, 8, 15996-16000. | 2.7 | 6 |
| 41 | Perovskite Solar Cells: Stable under Space Conditions. Solar Rrl, 2020, 4, 2000447. | 3.1 | 14 |
| 42 | Efficient Vacuum-Deposited Perovskite Solar Cells with Stable Cubic FA<sub>1â€“<i>x</i></sub>MA<sub><i>x</i></sub>PbI<sub>3</sub>. ACS Energy Letters, 2020, 5, 3053-3061. | 8.8 | 49 |
| 43 | Room-Temperature Vacuum Deposition of CsPbI<sub>2</sub>Br Perovskite Films from Multiple Sources and Mixed Halide Precursors. Chemistry of Materials, 2020, 32, 8641-8652. | 3.2 | 32 |
| 44 | Potential and limitations of CsBi3I10 as a photovoltaic material. Journal of Materials Chemistry A, 2020, 8, 15670-15674. | 5.2 | 21 |
| 45 | Tunable Wideâ€Bandgap Monohalide Perovskites. Advanced Optical Materials, 2020, 8, 2000423. | 3.6 | 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. | 1.7 | 18 |
| 47 | External quantum efficiency measurements used to study the stability of differently deposited perovskite solar cells. Journal of Applied Physics, 2020, 127, . | 1.1 | 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. | 3.6 | 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. | 1.5 | 10 |
| 50 | High voltage vacuum-processed perovskite solar cells with organic semiconducting interlayers. RSC Advances, 2020, 10, 6640-6646. | 1.7 | 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. | 2.7 | 15 |
| 52 | Highly Efficient Thermally Co-evaporated Perovskite Solar Cells and Mini-modules. Joule, 2020, 4, 1035-1053. | 11.7 | 257 |
| 53 | Mechanochemical synthesis of inorganic halide perovskites: evolution of phase-purity, morphology, and photoluminescence. Journal of Materials Chemistry C, 2019, 7, 11406-11410. | 2.7 | 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. | 11.1 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Short Photoluminescence Lifetimes in Vacuum-Deposited CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskite Thin Films as a Result of Fast Diffusion of Photogenerated Charge Carriers. Journal of Physical Chemistry Letters, 2019, 10, 5167-5172. | 2.1 | 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. | 2.5 | 110 |
| 57 | Efficient, 23%, Solution-Processed Perovskite Tandem Cells. Joule, 2019, 3, 2069-2070. | 11.7 | 4 |
| 58 | Degradation Mechanisms in Organic Lead Halide Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2019, 7, 1900902. | 3.6 | 50 |
| 59 | Vacuum-Deposited 2D/3D Perovskite Heterojunctions. ACS Energy Letters, 2019, 4, 2893-2901. | 8.8 | 77 |
| 60 | Guideline for Optical Optimization of Planar Perovskite Solar Cells. Advanced Optical Materials, 2019, 7, 1900944. | 3.6 | 24 |
| 61 | Phosphane tuning in heteroleptic [Cu(N^N)(P^P)]<sup>+</sup>complexes for light-emitting electrochemical cells. Dalton Transactions, 2019, 48, 446-460. | 1.6 | 44 |
| 62 | Low-dimensional iodide perovskite nanocrystals enable efficient red emission. Nanoscale, 2019, 11, 12793-12797. | 2.8 | 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. | 0.9 | 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. | 4.0 | 72 |
| 65 | Molecular Passivation of MoO<sub>3</sub>: Band Alignment and Protection of Charge Transport Layers in Vacuum-Deposited Perovskite Solar Cells. Chemistry of Materials, 2019, 31, 6945-6949. | 3.2 | 43 |
| 66 | Low-dimensional non-toxic A<sub>3</sub>Bi<sub>2</sub>X<sub>9</sub> compounds synthesized by a dry mechanochemical route with tunable visible photoluminescence at room temperature. Journal of Materials Chemistry C, 2019, 7, 6236-6240. | 2.7 | 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. | 5.2 | 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. | 5.2 | 62 |
| 69 | Large area perovskite light-emitting diodes by gas-assisted crystallization. Journal of Materials Chemistry C, 2019, 7, 3795-3801. | 2.7 | 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. | 5.2 | 6 |
| 71 | Best practices for measuring emerging light-emitting diode technologies. Nature Photonics, 2019, 13, 818-821. | 15.6 | 59 |
| 72 | Solvent-Free Synthesis and Thin-Film Deposition of Cesium Copper Halides with Bright Blue Photoluminescence. Chemistry of Materials, 2019, 31, 10205-10210. | 3.2 | 94 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Effects of Masking on Open-Circuit Voltage and Fill Factor in Solar Cells. Joule, 2019, 3, 16-26. | 11.7 | 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. | 2.7 | 39 |
| 75 | Phosphomolybdic acid as an efficient hole injection material in perovskite optoelectronic devices. Dalton Transactions, 2019, 48, 30-34. | 1.6 | 13 |
| 76 | Efficient Vacuum Deposited P-I-N Perovskite Solar Cells by Front Contact Optimization. Frontiers in Chemistry, 2019, 7, 936. | 1.8 | 16 |
| 77 | Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. ACS Omega, 2018, 3, 2673-2682. | 1.6 | 6 |
| 78 | Vacuum Deposited Tripleâ€Cation Mixedâ€Halide Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703506. | 10.2 | 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. | 8.8 | 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. | 2.7 | 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. | 2.1 | 101 |
| 82 | CF<sub>3</sub> Substitution of [Cu(P^P)(bpy)][PF<sub>6</sub>] Complexes: Effects on Photophysical Properties and Lightâ€Emitting Electrochemical Cell Performance. ChemPlusChem, 2018, 83, 217-229. | 1.3 | 45 |
| 83 | Fully Vacuum-Processed Wide Band Gap Mixed-Halide Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 214-219. | 8.8 | 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. | 1.3 | 2 |
| 85 | Hansen theory applied to the identification of nonhazardous solvents for hybrid perovskite thin-films processing. Polyhedron, 2018, 147, 9-14. | 1.0 | 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. | 15.6 | 135 |
| 87 | Solution processed organic light-emitting diodes using a triazatruxene crosslinkable hole transporting material. RSC Advances, 2018, 8, 35719-35723. | 1.7 | 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. | 1.7 | 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. | 2.7 | 15 |
| 90 | Tandems in the thick of it. Nature Energy, 2018, 3, 1027-1028. | 19.8 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 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. | 2.7 | 20 |
| 92 | High voltage vacuum-deposited CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub>â€“CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> tandem solar cells. Energy and Environmental Science, 2018, 11, 3292-3297. | 15.6 | 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. | 4.0 | 23 |
| 94 | Efficient Perovskite Light-Emitting Diodes: Effect of Composition, Morphology, and Transport Layers. ACS Applied Materials & Interfaces, 2018, 10, 41586-41591. | 4.0 | 23 |
| 95 | Single-Source Vacuum Deposition of Mechanosynthesized Inorganic Halide Perovskites. Chemistry of Materials, 2018, 30, 7423-7427. | 3.2 | 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, . | 1.1 | 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. | 3.2 | 36 |
| 98 | Luminescent copper(<scp>i</scp>) complexes with bisphosphane and halogen-substituted 2,2â€²-bipyridine ligands. Dalton Transactions, 2018, 47, 14263-14276. | 1.6 | 63 |
| 99 | Origin of the Enhanced Photoluminescence Quantum Yield in MAPbBr<sub>3</sub> Perovskite with Reduced Crystal Size. ACS Energy Letters, 2018, 3, 1458-1466. | 8.8 | 106 |
| 100 | Influence of doped charge transport layers on efficient perovskite solar cells. Sustainable Energy and Fuels, 2018, 2, 2429-2434. | 2.5 | 16 |
| 101 | [Cu(P^P)(N^N)][PF<sub>6</sub>] 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. | 2.7 | 53 |
| 102 | Perovskiteâ€“Perovskite Homojunctions via Compositional Doping. Journal of Physical Chemistry Letters, 2018, 9, 2770-2775. | 2.1 | 77 |
| 103 | Electrothermal Feedback and Absorption-Induced Open-Circuit-Voltage Turnover in Solar Cells. Physical Review Applied, 2018, 9, . | 1.5 | 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. | 2.7 | 54 |
| 105 | Removing Leakage and Surface Recombination in Planar Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 424-430. | 8.8 | 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. | 3.0 | 54 |
| 107 | Efficient wide band gap double cation â€“ double halide perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 3203-3207. | 5.2 | 28 |
| 108 | Improving Perovskite Solar Cells: Insights From a Validated Device Model. Advanced Energy Materials, 2017, 7, 1602432. | 10.2 | 132 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Charge Noise in Organic Electrochemical Transistors. Physical Review Applied, 2017, 7, . | 1.5 | 20 |
| 110 | Highly Stable Red-Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2017, 139, 3237-3248. | 6.6 | 95 |
| 111 | Recombination in Perovskite Solar Cells: Significance of Grain Boundaries, Interface Traps, and Defect Ions. ACS Energy Letters, 2017, 2, 1214-1222. | 8.8 | 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. | 1.7 | 30 |
| 113 | Delayed Luminescence in Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2017, 121, 13381-13390. | 1.5 | 148 |
| 114 | Effect of the precursor's stoichiometry on the optoelectronic properties of methylammonium lead bromide perovskites. Journal of Luminescence, 2017, 189, 120-125. | 1.5 | 10 |
| 115 | Pyrene-fused bisphenazinothiadiazoles with red to NIR electroluminescence. Organic Chemistry Frontiers, 2017, 4, 876-881. | 2.3 | 19 |
| 116 | Efficient Monolithic Perovskite/Perovskite Tandem Solar Cells. Advanced Energy Materials, 2017, 7, 1602121. | 10.2 | 255 |
| 117 | Vapor-Deposited Perovskites: The Route to High-Performance Solar Cell Production?. Joule, 2017, 1, 431-442. | 11.7 | 274 |
| 118 | Preface to Special Issue of ChemSusChem on Perovskite Optoelectronics. ChemSusChem, 2017, 10, 3684-3686. | 3.6 | 0 |
| 119 | Preface to Special Issue of Energy Technology on Perovskite Optoelectronics. Energy Technology, 2017, 5, 1731-1733. | 1.8 | 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. | 1.9 | 65 |
| 121 | Anionic Cyclometalated Iridium(III) Complexes with a Bis-Tetrazolate Ancillary Ligand for Light-Emitting Electrochemical Cells. Inorganic Chemistry, 2017, 56, 10584-10595. | 1.9 | 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. | 2.7 | 39 |
| 123 | High Photoluminescence Quantum Yields in Organic Semiconductorâ€“Perovskite Composite Thin Films. ChemSusChem, 2017, 10, 3788-3793. | 3.6 | 15 |
| 124 | Photoluminescence quantum yield exceeding 80% in low dimensional perovskite thin-films via passivation control. Chemical Communications, 2017, 53, 8707-8710. | 2.2 | 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. | 1.2 | 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. | 1.6 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Quantification of spatial inhomogeneity in perovskite solar cells by hyperspectral luminescence imaging. Energy and Environmental Science, 2016, 9, 2286-2294. | 15.6 | 102 |
| 128 | Regioisomerism in cationic sulfonyl-substituted [Ir(C^N)<sub>2</sub>(N^N)]<sup>+</sup> complexes: its influence on photophysical properties and LEC performance. Dalton Transactions, 2016, 45, 11668-11681. | 1.6 | 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. | 1.9 | 43 |
| 130 | [Ir(C^N)<sub>2</sub>(N^N)]<sup>+</sup> emitters containing a naphthalene unit within a linker between the two cyclometallating ligands. Dalton Transactions, 2016, 45, 16379-16392. | 1.6 | 7 |
| 131 | Luminescence: The Never-Ending Story. Topics in Current Chemistry, 2016, 374, 44. | 3.0 | 10 |
| 132 | Peripheral halo-functionalization in [Cu(N^N)(P^P)]<sup>+</sup>emitters: influence on the performances of light-emitting electrochemical cells. Dalton Transactions, 2016, 45, 15180-15192. | 1.6 | 61 |
| 133 | Efficient photoluminescent thin films consisting of anchored hybrid perovskite nanoparticles. Chemical Communications, 2016, 52, 11351-11354. | 2.2 | 15 |
| 134 | Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 5089-5097. | 1.0 | 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. | 15.6 | 410 |
| 136 | Strontium Insertion in Methylammonium Lead Iodide: Long Charge Carrier Lifetime and High Fillâ€Factor Solar Cells. Advanced Materials, 2016, 28, 9839-9845. | 11.1 | 150 |
| 137 | Advances in Perovskite Solar Cells. Advanced Science, 2016, 3, 1500324. | 5.6 | 482 |
| 138 | Perovskite Luminescent Materials. Topics in Current Chemistry, 2016, 374, 52. | 3.0 | 20 |
| 139 | Interface engineering in efficient vacuum deposited perovskite solar cells. Organic Electronics, 2016, 37, 396-401. | 1.4 | 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. | 4.0 | 44 |
| 141 | Evidence of band bending induced by hole trapping at MAPbI<sub>3</sub>perovskite/metal interface. Journal of Materials Chemistry A, 2016, 4, 17529-17536. | 5.2 | 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. | 5.2 | 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. | 2.7 | 35 |
| 144 | Fullerene imposed high open-circuit voltage in efficient perovskite based solar cells. Journal of Materials Chemistry A, 2016, 4, 3667-3672. | 5.2 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Shine bright or live long: substituent effects in [Cu(N^N)(P^P)]<sup>+</sup>-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. | 2.7 | 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. | 3.0 | 45 |
| 147 | Flexible light-emitting electrochemical cells with single-walled carbon nanotube anodes. Organic Electronics, 2016, 30, 36-39. | 1.4 | 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. | 0.9 | 27 |
| 149 | Photovoltaic devices employing vacuum-deposited perovskite layers. MRS Bulletin, 2015, 40, 660-666. | 1.7 | 58 |
| 150 | Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. Inorganic Chemistry, 2015, 54, 5907-5914. | 1.9 | 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. | 5.2 | 76 |
| 152 | Trapâ€Assisted Nonâ€Radiative Recombination in Organicâ€"Inorganic Perovskite Solar Cells. Advanced Materials, 2015, 27, 1837-1841. | 11.1 | 684 |
| 153 | Exceptionally long-lived light-emitting electrochemical cells: multiple intra-cation Ï€-stacking interactions in [Ir(C^N)<sub>2</sub>(N^N)][PF<sub>6</sub>] emitters. Chemical Science, 2015, 6, 2843-2852. | 3.7 | 79 |
| 154 | Twisted hexaazatrianthrylene: synthesis, optoelectronic properties and near-infrared electroluminescent heterojunctions thereof. Journal of Materials Chemistry C, 2015, 3, 9170-9174. | 2.7 | 17 |
| 155 | Self-absorption in a light-emitting electrochemical cell based on an ionic transition metal complex. Applied Physics Letters, 2015, 106, 103502. | 1.5 | 17 |
| 156 | Tuning the Emission of Cationic Iridium (III) Complexes Towards the Red Through Methoxy Substitution of the Cyclometalating Ligand. Scientific Reports, 2015, 5, 12325. | 1.6 | 81 |
| 157 | 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. | 1.6 | 39 |
| 158 | Colour tuning by the ring roundabout: [Ir(C^N)<sub>2</sub>(N^N)]<sup>+</sup> emitters with sulfonyl-substituted cyclometallating ligands. RSC Advances, 2015, 5, 42815-42827. | 1.7 | 29 |
| 159 | Perovskite solar cells prepared by flash evaporation. Chemical Communications, 2015, 51, 7376-7378. | 2.2 | 99 |
| 160 | Light-emitting fabrics. Nature Photonics, 2015, 9, 211-212. | 15.6 | 6 |
| 161 | Highly luminescent perovskiteâ€"aluminum oxide composites. Journal of Materials Chemistry C, 2015, 3, 11286-11289. | 2.7 | 63 |
| 162 | Hovering solar cells. Nature Materials, 2015, 14, 964-966. | 13.3 | 16 |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 163 | 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. | 3.2 | 110 |
| 164 | Mixed Iodideâ€“Bromide Methylammonium Lead Perovskite-based Diodes for Light Emission and Photovoltaics. Journal of Physical Chemistry Letters, 2015, 6, 3743-3748. | 2.1 | 100 |
| 165 | Perovskite solar cells join the major league. Science, 2015, 350, 917-917. | 6.0 | 63 |
| 166 | Emission energy of azole-based ionic iridium(<scp>iii</scp>) complexes: a theoretical study. Dalton Transactions, 2015, 44, 8497-8505. | 1.6 | 31 |
| 167 | Efficient photovoltaic and electroluminescent perovskite devices. Chemical Communications, 2015, 51, 569-571. | 2.2 | 110 |
| 168 | Aqueous electrolyte-gated ZnO transistors for environmental and biological sensing. Journal of Materials Chemistry C, 2014, 2, 10277-10281. | 2.7 | 22 |
| 169 | Efficient methylammonium lead iodide perovskite solar cells with active layers from 300 to 900 nm. APL Materials, 2014, 2, . | 2.2 | 118 |
| 170 | Dynamically Doped White Light Emitting Tandem Devices. Advanced Materials, 2014, 26, 770-774. | 11.1 | 43 |
| 171 | Operational Mechanism of Conjugated Polyelectrolytes. Journal of the American Chemical Society, 2014, 136, 8500-8503. | 6.6 | 24 |
| 172 | Perovskite solar cells employing organic charge-transport layers. Nature Photonics, 2014, 8, 128-132. | 15.6 | 1,320 |
| 173 | Flexible high efficiency perovskite solar cells. Energy and Environmental Science, 2014, 7, 994. | 15.6 | 409 |
| 174 | Nontemplate Synthesis of CH<sub>3</sub>NH<sub>3</sub>PbBr<sub>3</sub> Perovskite Nanoparticles. Journal of the American Chemical Society, 2014, 136, 850-853. | 6.6 | 1,128 |
| 175 | Chloride ion impact on materials for light-emitting electrochemical cells. Dalton Transactions, 2014, 43, 1961-1964. | 1.6 | 41 |
| 176 | Hostâ€“guest blue light-emitting electrochemical cells. Journal of Materials Chemistry C, 2014, 2, 1605-1611. | 2.7 | 68 |
| 177 | Red emitting [Ir(C^N)<sub>2</sub>(N^N)]<sup>+</sup> complexes employing bidentate 2,2â€²:6â€²,2â€²â€²-terpyridine ligands for light-emitting electrochemical cells. Dalton Transactions, 2014, 43, 4653-4667. | 1.6 | 40 |
| 178 | White Light-Emitting Electrochemical Cells Based on the Langmuirâ€“Blodgett Technique. Langmuir, 2014, 30, 14021-14029. | 1.6 | 22 |
| 179 | Fluorine-free blue-green emitters for light-emitting electrochemical cells. Journal of Materials Chemistry C, 2014, 2, 5793-5804. | 2.7 | 60 |
| 180 | Thienylpyridine-based cyclometallated iridium(<scp>iii</scp>) complexes and their use in solid state light-emitting electrochemical cells. Dalton Transactions, 2014, 43, 738-750. | 1.6 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Engineering Charge Injection Interfaces in Hybrid Light-Emitting Electrochemical Cells. ACS Applied Materials & Interfaces, 2014, 6, 19520-19524. | 4.0 | 21 |
| 182 | Tuning the Self-Assembly of Rectangular Amphiphilic Cruciforms. Langmuir, 2014, 30, 5957-5964. | 1.6 | 6 |
| 183 | Persistent photovoltage in methylammonium lead iodide perovskite solar cells. APL Materials, 2014, 2, . | 2.2 | 86 |
| 184 | Ionâ€Selective Organic Electrochemical Transistors. Advanced Materials, 2014, 26, 4803-4807. | 11.1 | 136 |
| 185 | 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. | 2.7 | 38 |
| 186 | Modulation of the solubility of luminescent semiconductor nanocrystals through facile surface functionalization. Chemical Communications, 2014, 50, 11020-11022. | 2.2 | 7 |
| 187 | High efficiency single-junction semitransparent perovskite solar cells. Energy and Environmental Science, 2014, 7, 2968-2973. | 15.6 | 266 |
| 188 | [Cu(bpy)(P^P)]<sup>+</sup> containing light-emitting electrochemical cells: improving performance through simple substitution. Dalton Transactions, 2014, 43, 16593-16596. | 1.6 | 80 |
| 189 | Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands. Inorganic Chemistry, 2014, 53, 7709-7721. | 1.9 | 72 |
| 190 | Spontaneous Self-Assembly of a 1,8-Naphthyridine into Diverse Crystalline 1D Nanostructures: Implications on the Stimuli-Responsive Luminescent Behaviour. Crystal Growth and Design, 2014, 14, 3849-3856. | 1.4 | 11 |
| 191 | Metalâ€Oxideâ€Free Methylammonium Lead Iodide Perovskiteâ€Based Solar Cells: the Influence of Organic Charge Transport Layers. Advanced Energy Materials, 2014, 4, 1400345. | 10.2 | 164 |
| 192 | Light-emitting electrochemical cells: recent progress and future prospects. Materials Today, 2014, 17, 217-223. | 8.3 | 239 |
| 193 | Optimizing the Performance of Metal Grid Conductors for Light-Emitting Electrochemical Cell Devices by Modifying Printing Conditions. Journal of Imaging Science and Technology, 2014, 58, 305031-3050310. | 0.3 | 4 |
| 194 | Radiative efficiency of lead iodide based perovskite solar cells. Scientific Reports, 2014, 4, 6071. | 1.6 | 283 |
| 195 | Dynamic Doping in Planar Ionic Transition Metal Complexâ€Based Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2013, 23, 3531-3538. | 7.8 | 75 |
| 196 | Nucleant layer effect on nanocolumnar ZnO films grown by electrodeposition. Nanoscale Research Letters, 2013, 8, 135. | 3.1 | 10 |
| 197 | Ionic Iridium Complex and Conjugated Polymer Used To Solution-Process a Bilayer White Light-Emitting Diode. ACS Applied Materials & Interfaces, 2013, 5, 630-634. | 4.0 | 42 |
| 198 | Correlating the Lifetime and Fluorine Content of Iridium(III) Emitters in Green Light-Emitting Electrochemical Cells. Chemistry of Materials, 2013, 25, 3391-3397. | 3.2 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Light-Emitting Electrochemical Cells Using Cyanine Dyes as the Active Components. Journal of the American Chemical Society, 2013, 135, 18008-18011. | 6.6 | 98 |
| 200 | Solution-processed bi-layer polythiopheneâ€"fullerene organic solar cells. RSC Advances, 2013, 3, 25197. | 1.7 | 8 |
| 201 | Charged Bis-Cyclometalated Iridium(III) Complexes with Carbene-Based Ancillary Ligands. Inorganic Chemistry, 2013, 52, 10292-10305. | 1.9 | 110 |
| 202 | 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. | 2.7 | 81 |
| 203 | Solution, structural and photophysical aspects of substituent effects in the N^N ligand in [Ir(C^N)2(N^N)]+ complexes. Dalton Transactions, 2013, 42, 8086. | 1.6 | 18 |
| 204 | Efficient, Cyanine Dye Based Bilayer Solar Cells. Advanced Energy Materials, 2013, 3, 472-477. | 10.2 | 37 |
| 205 | Controlling the dynamic behavior of light emitting electrochemical cells. Organic Electronics, 2013, 14, 693-698. | 1.4 | 8 |
| 206 | Ionic liquid modified zinc oxide injection layer for inverted organic light-emitting diodes. Organic Electronics, 2013, 14, 164-168. | 1.4 | 28 |
| 207 | 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. | 1.6 | 54 |
| 208 | Ester-functionalized poly(3-alkylthiophene) copolymers: Synthesis, physicochemical characterization and performance in bulk heterojunction organic solar cells. Organic Electronics, 2013, 14, 523-534. | 1.4 | 22 |
| 209 | Low Current Density Driving Leads to Efficient, Bright and Stable Green Electroluminescence. Advanced Energy Materials, 2013, 3, 1338-1343. | 10.2 | 47 |
| 210 | Polymorphism-Triggered Reversible Thermochromic Fluorescence of a Simple 1,8-Naphthyridine. Crystal Growth and Design, 2013, 13, 460-464. | 1.4 | 10 |
| 211 | Effect of free rotation in polypyridinic ligands of Ru(ii) complexes applied in light-emitting electrochemical cells. Dalton Transactions, 2013, 42, 15502. | 1.6 | 34 |
| 212 | Universal Transients in Polymer and Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2013, 135, 886-891. | 6.6 | 74 |
| 213 | Dynamic Doping in Bright and Stable Light Emitting Electrochemical Cell. Journal of Nanoscience and Nanotechnology, 2013, 13, 5170-5174. | 0.9 | 6 |
| 214 | Influence of the cyanine counter anions on a bi-layer solar cell performance. Materials Research Society Symposia Proceedings, 2013, 1493, 275-280. | 0.1 | 0 |
| 215 | Increasing the efficiency of light-emitting electrochemical cells by limiting the exciton quenching. Materials Research Society Symposia Proceedings, 2013, 1567, 1. | 0.1 | 0 |
| 216 | Temperature Effect of Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. Materials Research Society Symposia Proceedings, 2013, 1567, 1. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Ionic high-performance light harvesting and carrier transporting OPV materials. , 2013, , . | | 1 |
| 218 | Pulsed-current versus constant-voltage light-emitting electrochemical cells with trifluoromethyl-substituted cationic iridium(iii) complexes. Journal of Materials Chemistry C, 2013, 1, 2241. | 2.7 | 63 |
| 219 | Incorporation of a tricationic subphthalocyanine in an organic photovoltaic device. Journal of Porphyrins and Phthalocyanines, 2013, 17, 1016-1021. | 0.4 | 3 |
| 220 | Efficient Greenâ€Lightâ€Emitting Electrochemical Cells Based on Ionic Iridium Complexes with Sulfoneâ€Containing Cyclometalating Ligands. Chemistry - A European Journal, 2013, 19, 8597-8609. | 1.7 | 56 |
| 221 | Meniscus coated high open-circuit voltage bi-layer solar cells. RSC Advances, 2012, 2, 3335. | 1.7 | 23 |
| 222 | Meniscus coated high open-circuit voltage bi-layer solar cells. , 2012, , . | | 0 |
| 223 | SiPMs coated with TPB: coating protocol and characterization for NEXT. Journal of Instrumentation, 2012, 7, P02010-P02010. | 0.5 | 13 |
| 224 | Dynamic doping and degradation in sandwich-type light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2012, 14, 10886. | 1.3 | 55 |
| 225 | Bright Blue Phosphorescence from Cationic Bis-Cyclometalated Iridium(III) Isocyanide Complexes. Inorganic Chemistry, 2012, 51, 2263-2271. | 1.9 | 74 |
| 226 | Stable Green Electroluminescence from an Iridium Tris-Heteroleptic Ionic Complex. Chemistry of Materials, 2012, 24, 1896-1903. | 3.2 | 91 |
| 227 | Luminescent Ionic Transitionâ€Metal Complexes for Lightâ€Emitting Electrochemical Cells. Angewandte Chemie - International Edition, 2012, 51, 8178-8211. | 7.2 | 857 |
| 228 | Efficient orange light-emitting electrochemical cells. Journal of Materials Chemistry, 2012, 22, 19264. | 6.7 | 62 |
| 229 | Near-UV to red-emitting charged bis-cyclometallated iridium(<scp>iii</scp>) complexes for light-emitting electrochemical cells. Dalton Transactions, 2012, 41, 180-191. | 1.6 | 121 |
| 230 | In situ photoluminescence spectroscopy study of dynamic doping in sandwich-type light-emitting electrochemical cells. , 2012, , . | | 0 |
| 231 | Highly Luminescent Half-Lantern Cyclometalated Platinum(II) Complex: Synthesis, Structure, Luminescence Studies, and Reactivity.. Inorganic Chemistry, 2012, 51, 3427-3435. | 1.9 | 98 |
| 232 | Pyridine-Incorporated Dihexylquaterthiophene: A Novel Blue Emitter for Organic Light Emitting Diodes (OLEDs). Australian Journal of Chemistry, 2012, 65, 1244. | 0.5 | 7 |
| 233 | Zinc oxide nanocrystals as electron injecting building blocks for plastic light sources. Journal of Materials Chemistry, 2012, 22, 4916. | 6.7 | 20 |
| 234 | Fine-Tuning of Photophysical and Electronic Properties of Materials for Photonic Devices Through Remote Functionalization. European Journal of Inorganic Chemistry, 2012, 2012, 3780-3788. | 1.0 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Simple, Fast, Bright, and Stable Light Sources. Advanced Materials, 2012, 24, 897-900. | 11.1 | 148 |
| 236 | Solid-State Lighting: Simple, Fast, Bright, and Stable Light Sources (Adv. Mater. 7/2012). Advanced Materials, 2012, 24, 854-854. | 11.1 | 2 |
| 237 | Light-emitting electrochemical cells based on a supramolecularly-caged phenanthroline-based iridium complex. Chemical Communications, 2011, 47, 3207. | 2.2 | 70 |
| 238 | pâ€“n Metallophosphor based on cationic iridium(iii) complex for solid-state light-emitting electrochemical cells. Journal of Materials Chemistry, 2011, 21, 13999. | 6.7 | 28 |
| 239 | Photophysical Properties of Charged Cyclometalated Ir(III) Complexes: A Joint Theoretical and Experimental Study. Inorganic Chemistry, 2011, 50, 7229-7238. | 1.9 | 101 |
| 240 | Copper(i) complexes for sustainable light-emitting electrochemical cells. Journal of Materials Chemistry, 2011, 21, 16108. | 6.7 | 184 |
| 241 | Tetra-alkoxy substituted PPV derivatives: a new class of highly soluble liquid crystalline conjugated polymers. Polymer Chemistry, 2011, 2, 1279. | 1.9 | 1 |
| 242 | Recent advances in light-emitting electrochemical cells. Pure and Applied Chemistry, 2011, 83, 2115-2128. | 0.9 | 82 |
| 243 | Combined thermal evaporated and solution processed organic light emitting diodes. Organic Electronics, 2011, 12, 1644-1648. | 1.4 | 9 |
| 244 | Polymer solar cells based on diphenylmethanofullerenes with reduced sidechain length. Journal of Materials Chemistry, 2011, 21, 1382-1386. | 6.7 | 43 |
| 245 | 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. | 2.4 | 37 |
| 246 | Operating Modes of Sandwiched Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2011, 21, 1581-1586. | 7.8 | 164 |
| 247 | Hybrid Organicâ€“Inorganic Lightâ€Emitting Diodes. Advanced Materials, 2011, 23, 1829-1845. | 11.1 | 253 |
| 248 | Stable and Efficient Solidâ€State Lightâ€Emitting Electrochemical Cells Based on a Series of Hydrophobic Iridium Complexes. Advanced Energy Materials, 2011, 1, 282-290. | 10.2 | 84 |
| 249 | Low Cost Hybrid Solar Cell Integration on Wall Tiles. ECS Transactions, 2011, 41, 141-146. | 0.3 | 0 |
| 250 | 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. | 3.0 | 326 |
| 251 | Efficient and Longâ€Living Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2010, 20, 1511-1520. | 7.8 | 147 |
| 252 | Phosphorescent Hybrid Organicâ€“Inorganic Lightâ€Emitting Diodes. Advanced Materials, 2010, 22, 2198-2201. | 11.1 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Dumbbellâ€Shaped Dinuclear Iridium Complexes and Their Application to Lightâ€Emitting Electrochemical Cells. Chemistry - A European Journal, 2010, 16, 9855-9863. | 1.7 | 51 |
| 254 | Determination of charge carrier mobility of hole transporting polytriarylamine-based diodes. Thin Solid Films, 2010, 518, 3351-3354. | 0.8 | 24 |
| 255 | Synthesis and luminescence of poly(phenylacetylene)s with pendant iridium complexes and carbazole groups. Journal of Polymer Science Part A, 2010, 48, 3744-3757. | 2.5 | 22 |
| 256 | Towards efficient next generation light sources: combined solution processed and evaporated layers for OLEDs. , 2010, , . | | 1 |
| 257 | Hybrid organic-inorganic light emitting diodes: effect of the metal oxide. Journal of Materials Chemistry, 2010, 20, 4047. | 6.7 | 67 |
| 258 | 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. | 2.1 | 140 |
| 259 | Ionically Assisted Charge Injection in Hybrid Organicâˆ'Inorganic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2010, 2, 2694-2698. | 4.0 | 43 |
| 260 | Ionic Space-Charge Effects in Solid State Organic Photovoltaics. ACS Applied Materials & Interfaces, 2010, 2, 3664-3668. | 4.0 | 22 |
| 261 | Improving the Turn-On Time of Light-Emitting Electrochemical Cells without Sacrificing their Stability. Chemistry of Materials, 2010, 22, 1288-1290. | 3.2 | 80 |
| 262 | 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. | 6.6 | 116 |
| 263 | Dual-Emitting Langmuirâˆ'Blodgett Film-Based Organic Light-Emitting Diodes. Langmuir, 2010, 26, 11461-11468. | 1.6 | 22 |
| 264 | An inconvenient influence of iridium(iii) isomer on OLED efficiency. Dalton Transactions, 2010, 39, 8914. | 1.6 | 38 |
| 265 | Extended liquid-crystalline oligofluorenes with photo- and electroluminescence. New Journal of Chemistry, 2010, 34, 2785. | 1.4 | 10 |
| 266 | Long-Living Emitting Electrochemical Cells Based on Supramolecular Ï€-Ï€ Interactions. Materials Research Society Symposia Proceedings, 2009, 1197, 31. | 0.1 | 0 |
| 267 | Efficient electroluminescence from a perylenediimide fluorophore obtained from a simple solution processed OLED. Journal Physics D: Applied Physics, 2009, 42, 105106. | 1.3 | 46 |
| 268 | Archetype Cationic Iridium Complexes and Their Use in Solidâ€State Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2009, 19, 3456-3463. | 7.8 | 239 |
| 269 | Efficient Polymer Lightâ€Emitting Diode Using Airâ€Stable Metal Oxides as Electrodes. Advanced Materials, 2009, 21, 79-82. | 11.1 | 172 |
| 270 | An Esterâ€Substituted Iridium Complex for Efficient Vacuumâ€Processed Organic Lightâ€Emitting Diodes. ChemSusChem, 2009, 2, 305-308. | 3.6 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Relaxation of Photogenerated Carriers in P3HT:PCBM Organic Blends. ChemSusChem, 2009, 2, 314-320. | 3.6 | 27 |
| 272 | Perimeter leakage current in polymer light emitting diodes. Current Applied Physics, 2009, 9, 414-416. | 1.1 | 19 |
| 273 | Lowest triplet excited states of a novel heteroleptic iridium(III) complex and their role in the emission colour. Computational and Theoretical Chemistry, 2009, 912, 21-26. | 1.5 | 17 |
| 274 | Trap-limited mobility in space-charge limited current in organic layers. Organic Electronics, 2009, 10, 305-312. | 1.4 | 47 |
| 275 | Soret emission from water-soluble porphyrin thin films: effect on the electroluminescence response. Journal of Materials Chemistry, 2009, 19, 4255. | 6.7 | 21 |
| 276 | Deep-Red-Emitting Electrochemical Cells Based on Heteroleptic Bis-chelated Ruthenium(II) Complexes. Inorganic Chemistry, 2009, 48, 3907-3909. | 1.9 | 61 |
| 277 | Molecular Ionic Junction for Enhanced Electronic Charge Transfer. Langmuir, 2009, 25, 79-83. | 1.6 | 9 |
| 278 | A Deep-Red-Emitting Perylenediimideâ^'Iridium-Complex Dyad: Following the Photophysical Deactivation Pathways. Journal of Physical Chemistry C, 2009, 113, 19292-19297. | 1.5 | 39 |
| 279 | White-light phosphorescence emission from a single molecule: application to OLED. Chemical Communications, 2009, , 4672. | 2.2 | 92 |
| 280 | White Hybrid Organicâ^'Inorganic Light-Emitting Diode Using ZnO as the Air-Stable Cathode. Chemistry of Materials, 2009, 21, 439-441. | 3.2 | 56 |
| 281 | Two are not always better than one: ligand optimisation for long-living light-emitting electrochemical cells. Chemical Communications, 2009, , 2029. | 2.2 | 78 |
| 282 | Efficient deep-red light-emitting electrochemical cells based on a perylenediimide-iridium-complex dyad. Chemical Communications, 2009, , 3886. | 2.2 | 103 |
| 283 | Red-light-emitting electrochemical cell using a polypyridyl iridium(iii) polymer. Dalton Transactions, 2009, , 9787. | 1.6 | 52 |
| 284 | Corrosion Resistance, Morphological and Electrical Properties of Electroless Ni-Mo-P Thin Films Deposited on Ceramic and Kapton Substrates. ECS Transactions, 2009, 25, 81-88. | 0.3 | 1 |
| 285 | PEDOT:Poly(1â€vinylâ€3â€ethylimidazolium) dispersions as alternative materials for optoelectronic devices. Journal of Polymer Science Part A, 2008, 46, 3150-3154. | 2.5 | 31 |
| 286 | Inverted Solution Processable OLEDs Using a Metal Oxide as an Electron Injection Contact.. Advanced Functional Materials, 2008, 18, 145-150. | 7.8 | 158 |
| 287 | Longâ€Living Lightâ€Emitting Electrochemical Cells â€" Control through Supramolecular Interactions. Advanced Materials, 2008, 20, 3910-3913. | 11.1 | 185 |
| 288 | Efficient blue emitting organic light emitting diodes based on fluorescent solution processable cyclic phosphazenes. Organic Electronics, 2008, 9, 155-163. | 1.4 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Band unpinning and photovoltaic model for P3HT:PCBM organic bulk heterojunctions under illumination. Chemical Physics Letters, 2008, 465, 57-62. | 1.2 | 122 |
| 290 | Solution processable phosphorescent dendrimers based on cyclic phosphazenes for use in organic light emitting diodes (OLEDs). Chemical Communications, 2008, , 618-620. | 2.2 | 77 |
| 291 | Synthesis, Characterization, and DFT/TD-DFT Calculations of Highly Phosphorescent Blue Light-Emitting Anionic Iridium Complexes. Inorganic Chemistry, 2008, 47, 980-989. | 1.9 | 222 |
| 292 | Segregation of lipid in Ir-dye/DMPA mixed monolayers as strategy to fabricate 2D supramolecular nanostructures at the airâ€“water interface. Journal of Materials Chemistry, 2008, 18, 1681. | 6.7 | 9 |
| 293 | Near-Quantitative Internal Quantum Efficiency in a Light-Emitting Electrochemical Cell. Inorganic Chemistry, 2008, 47, 9149-9151. | 1.9 | 169 |
| 294 | 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. | 6.6 | 138 |
| 295 | Inverted solution processable OLEDs using a metal oxide as electron injection contact. Proceedings of SPIE, 2008, , . | 0.8 | 5 |
| 296 | Cathode effect on current-voltage characteristics of blue light-emitting diodes based on a polyspirofluorene. , 2008, , . | | 0 |
| 297 | Unexpected large spectral shift from blue to green region in a light-emitting electrochemical cell. , 2008, , . | | 0 |
| 298 | Increased conductivity of a hole transport layer due to oxidation by a molecular nanomagnet. Journal of Applied Physics, 2008, 103, . | 1.1 | 6 |
| 299 | Single Molecule Solid State Light Emitting Electrochemical Cells with Lifetimes Superior to 3000 Hours. , 2008, , . | | 0 |
| 300 | Capacitance-voltage characteristics of organic light-emitting diodes varying the cathode metal: Implications for interfacial states. Physical Review B, 2007, 75, . | 1.1 | 41 |
| 301 | Millisecond radiative recombination in poly(phenylene vinylene)-based light-emitting diodes from transient electroluminescence. Journal of Applied Physics, 2007, 101, 114506. | 1.1 | 9 |
| 302 | Air stable hybrid organic-inorganic light emitting diodes using ZnO as the cathode. Applied Physics Letters, 2007, 91, 223501. | 1.5 | 148 |
| 303 | 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 |
| 304 | Controlling Phosphorescence Color and Quantum Yields in Cationic Iridium Complexes:Â A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2007, 46, 5989-6001. | 1.9 | 237 |
| 305 | Subphthalocyanines as narrow band red-light emitting materials. Tetrahedron Letters, 2007, 48, 4657-4660. | 0.7 | 89 |
| 306 | Improving the efficiency of light-emitting diode based on a thiophene polymer containing a cyano group. Organic Electronics, 2007, 8, 641-647. | 1.4 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Molecular organization of a water-insoluble iridium(III) complex in mixed monolayers. Journal of Colloid and Interface Science, 2007, 315, 278-286. | 5.0 | 14 |
| 308 | Interpretation of capacitance spectra and transit times of single carrier space-charge limited transport in organic layers with field-dependent mobility. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2402-2410. | 0.8 | 15 |
| 309 | Highly phosphorescent perfect green emitting iridium(iii) complex for application in OLEDs. Chemical Communications, 2007, , 3276. | 2.2 | 82 |
| 310 | 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. | 6.6 | 191 |
| 311 | Charge injection in organic light emitting diodes governed by interfacial states. , 2006, , . | | 8 |
| 312 | 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. | 3.2 | 68 |
| 313 | 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. | 6.6 | 113 |
| 314 | Determination of electron and hole energy levels in mesoporous nanocrystalline TiO2 solid-state dye solar cell. Synthetic Metals, 2006, 156, 944-948. | 2.1 | 62 |
| 315 | Thickness scaling of space-charge-limited currents in organic layers with field- or density-dependent mobility. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3762-3767. | 0.8 | 23 |
| 316 | Negative capacitance caused by electron injection through interfacial states in organic light-emitting diodes. Chemical Physics Letters, 2006, 422, 184-191. | 1.2 | 168 |
| 317 | Optimization of Polymer Blue-Light-Emitting Devices by Introducing a Hole-Injection Layer Doped with the Molecular Nanomagnet [Mn12O12(H2O)4(C6F5COO)16]. Advanced Materials, 2006, 18, 920-923. | 11.1 | 21 |
| 318 | Impedance of space-charge-limited currents in organic light-emitting diodes with double injection and strong recombination. Journal of Applied Physics, 2006, 100, 084502. | 1.1 | 21 |
| 319 | Effect of conductivity of hole injection layer on the performance of a blue light emitting solution processable OLED. , 2005, , . | | 1 |
| 320 | Conductive Hybrid Films of Polyarylamine Electrochemically Oxidized with the Molecular Nanomagnet [Mn12O12(H2O)4-(C6F5COO)16]. Advanced Materials, 2005, 17, 1018-1023. | 11.1 | 15 |
| 321 | 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. | 1.9 | 114 |
| 322 | Passive-matrix polymer light-emitting displays. Journal of the Society for Information Display, 2003, 11, 155. | 0.8 | 4 |
| 323 | Status of red, green and blue light emitting polymers for passive matrix displays. , 2003, , . | | 1 |
| 324 | A Novel Polyaryl Ether Based Photorefractive Composite. Chemistry of Materials, 1998, 10, 3951-3957. | 3.2 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | Photorefractive polymers with low intrinsic trap density. Proceedings of SPIE, 1997, , . | 0.8 | 0 |
| 326 | Novel Bifunctional Molecule for Photorefractive Materials. Chemistry of Materials, 1997, 9, 1407-1413. | 3.2 | 25 |
| 327 | <title>Space-charge field formation in poly(N-vinylcarbazole)-based photorefractive composites</title>. , 1996, 2850, 24. | | 2 |
| 328 | <title>Control of charge trapping in a novel photorefractive composite consisting of a bifunctional molecule based on TPD</title>. , 1996, , . | | 0 |
| 329 | Effect of Plasticization on the Performance of a Photorefractive Polymer. The Journal of Physical Chemistry, 1996, 100, 16356-16360. | 2.9 | 32 |
| 330 | Photorefractivity in poly(N-vinylcarbazole)-based polymer composites. Journal of Optics, 1996, 5, 631-643. | 0.5 | 3 |
| 331 | <title>Transient photorefractive gratings in polymers</title>. , 1995, , . | | 2 |
| 332 | <title>Photorefractive host-guest systems and fully functionalized polymers</title>. , 1995, 2526, 138. | | 0 |
| 333 | <title>Charge trapping in photorefractive polymers</title>. , 1995, , . | | 1 |
| 334 | Holographic time-of-flight measurements of the hole-drift mobility in a photorefractive polymer. Physical Review B, 1995, 52, R14324-R14327. | 1.1 | 27 |
| 335 | Transient behavior of photorefractive gratings in a polymer. Applied Physics Letters, 1995, 67, 455-457. | 1.5 | 34 |
| 336 | Control of charge trapping in a photorefractive polymer. Applied Physics Letters, 1995, 66, 1038-1040. | 1.5 | 53 |
| 337 | The role of absorbing nonlinear optical chromophores in photorefractive polymers. Advanced Materials, 1994, 6, 574-577. | 11.1 | 11 |
| 338 | Photorefractive polymer composite with net gain and subsecond response at 633 nm. Applied Physics Letters, 1994, 65, 262-264. | 1.5 | 30 |
| 339 | Polymers containing nonlinear optical groups in the main chain. Second harmonic generation in corona poled thin films. European Polymer Journal, 1993, 29, 981-986. | 2.6 | 11 |
| 340 | Photorefractive polymer materials. Proceedings of SPIE, 1993, , . | 0.8 | 2 |
| 341 | Polymerâ€Based Composites for Engineering Organic Memristive Devices. Advanced Electronic Materials, 0, , 2101192. | 2.6 | 2 |