

Hydrogen Bonding Controls the Structural Evolution in Platinum(IV) Iodides

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Luminescent perovskites: recent advances in theory and experiments. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2969-3011. | 3.0 | 185 |
| 2 | Ordered B-Site Vacancies in an ABX_3 Formate Perovskite. <i>Journal of the American Chemical Society</i> , 2019, 141, 17978-17982. | 6.6 | 21 |
| 3 | Reversing Organic-Inorganic Hybrid Perovskite Degradation in Water via pH and Hydrogen Bonds. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7245-7250. | 2.1 | 34 |
| 4 | Chemical and Structural Diversity of Hybrid Layered Double Perovskite Halides. <i>Journal of the American Chemical Society</i> , 2019, 141, 19099-19109. | 6.6 | 144 |
| 5 | Perspectives and Design Principles of Vacancy-Ordered Double Perovskite Halide Semiconductors. <i>Chemistry of Materials</i> , 2019, 31, 1184-1195. | 3.2 | 158 |
| 6 | The capricious nature of iodine catenation in I_{2x} excess, perovskite-derived hybrid $Pt(IV)$ compounds. <i>Chemical Communications</i> , 2019, 55, 588-591. | 2.2 | 14 |
| 7 | Perovskites with d-block metals for solar energy applications. <i>Dalton Transactions</i> , 2019, 48, 9516-9537. | 1.6 | 24 |
| 8 | Hybrid Organic-Inorganic Halides ($C_5H_7N_2$) $_2$ MBr_4 (M = Hg, Zn) with High Color Rendering Index and High-Efficiency White-Light Emission. <i>Chemistry of Materials</i> , 2019, 31, 2983-2991. | 3.2 | 143 |
| 9 | Polymorphism in $M(H_2PO_3)_3$ (M = V, Al, Ga) compounds with the perovskite-related ReO_3 structure. <i>Chemical Communications</i> , 2019, 55, 2964-2967. | 2.2 | 15 |
| 10 | In situ synthesis and preconcentration of cetylpyridinium complexed hexaiodo platinum nanoparticles from spent automobile catalytic converter leachate using cloud point extraction. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4594-4605. | 2.3 | 3 |
| 11 | Colloidal Synthesis and Optical Properties of Perovskite-Inspired Cesium Zirconium Halide Nanocrystals. , 2020, 2, 1644-1652. | | 69 |
| 12 | Ferroelastic Phase Transition in Formamidinium Tin(IV) Iodide Driven by Organic-Inorganic Coupling. <i>Inorganic Chemistry</i> , 2020, 59, 14399-14406. | 1.9 | 3 |
| 13 | Ligand geometry directs the packing and symmetry of one-dimensional helical motifs in lead oxide naphthoates and biphenylcarboxylates. <i>CrystEngComm</i> , 2020, 22, 6465-6477. | 1.3 | 1 |
| 14 | Cs_2Pt_6 Halide Perovskite is Stable to Air, Moisture, and Extreme pH: Application to Photoelectrochemical Solar Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16033-16038. | 7.2 | 34 |
| 15 | Cs_2Pt_6 Halide Perovskite is Stable to Air, Moisture, and Extreme pH: Application to Photoelectrochemical Solar Water Oxidation. <i>Angewandte Chemie</i> , 2020, 132, 16167-16172. | 1.6 | 11 |
| 16 | Pressure-Induced Structural Evolution and Bandgap Optimization of Lead-Free Halide Double Perovskite (NH_4) $_2$ $SeBr_6$. <i>Advanced Science</i> , 2020, 7, 1902900. | 5.6 | 44 |
| 17 | Perovskite-related ReO_3 -type structures. <i>Nature Reviews Materials</i> , 2020, 5, 196-213. | 23.3 | 62 |
| 18 | Structural Diversity and Magnetic Properties of Hybrid Ruthenium Halide Perovskites and Related Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8974-8981. | 7.2 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Structural Diversity and Magnetic Properties of Hybrid Ruthenium Halide Perovskites and Related Compounds. <i>Angewandte Chemie</i> , 2020, 132, 9059-9066. | 1.6 | 11 |
| 20 | Chemical Control of Spin-Orbit Coupling and Charge Transfer in Vacancy-Ordered Ruthenium(IV) Halide Perovskites. <i>Angewandte Chemie</i> , 2021, 133, 5244-5248. | 1.6 | 2 |
| 21 | Chemical Control of Spin-Orbit Coupling and Charge Transfer in Vacancy-Ordered Ruthenium(IV) Halide Perovskites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5184-5188. | 7.2 | 18 |
| 22 | Pressure-induced bandgap engineering of lead-free halide double perovskite (NH ₄) ₂ SnBr ₆ . <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19308-19312. | 1.3 | 5 |
| 23 | Doubling the Stakes: The Promise of Halide Double Perovskites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16264-16278. | 7.2 | 77 |
| 24 | Doubling the Stakes: The Promise of Halide Double Perovskites. <i>Angewandte Chemie</i> , 2021, 133, 16400-16414. | 1.6 | 12 |
| 25 | BiVO ₄ /Cs ₂ PtI ₆ Vacancy-Ordered Halide Perovskite Heterojunction for Panchromatic Light Harvesting and Enhanced Charge Separation in Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16267-16278. | 4.0 | 17 |
| 26 | Low-Dimensional Metal Halide Perovskite Crystal Materials: Structure Strategies and Luminescence Applications. <i>Advanced Science</i> , 2021, 8, e2004805. | 5.6 | 116 |
| 27 | Electronic structure and stability of Cs ₂ TiX ₆ and Cs ₂ ZrX ₆ (X = Br, I) vacancy ordered double perovskites. <i>Applied Physics Letters</i> , 2021, 119, . | 1.5 | 28 |
| 28 | The Renaissance of Functional Hybrid Transition-Metal Halides. <i>Accounts of Materials Research</i> , 2022, 3, 439-448. | 5.9 | 26 |
| 29 | Pb-free halide perovskites for solar cells, light-emitting diodes, and photocatalysts. <i>APL Materials</i> , 2022, 10, . | 2.2 | 11 |
| 30 | Picolylamine Isomers Trigger Multidimension Coupling Strategy toward Efficient and Stable Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 0, , . | 3.1 | 2 |
| 31 | Pressure-Induced Metallization of Lead-Free Halide Double Perovskite (NH ₄) ₂ PtI ₆ . <i>Advanced Science</i> , 2022, 9, . | 5.6 | 14 |
| 32 | The fundamental physical properties of Cs ₂ PtI ₆ and (CH ₃ NH ₃) ₂ PtI ₆ . <i>Physica B: Condensed Matter</i> , 2022, 644, 414235. | 1.3 | 1 |
| 33 | Molecular dimensionality and photoluminescence of hybrid metal halides. <i>Trends in Chemistry</i> , 2022, 4, 1034-1044. | 4.4 | 38 |
| 34 | Synthesis, crystal structure and white luminescence of zero-dimensional organic-inorganic zinc halides. <i>Journal of Materials Chemistry C</i> , 2022, 10, 18279-18284. | 2.7 | 8 |
| 35 | Fine Structure of Excitons in Vacancy-Ordered Halide Double Perovskites. , 2023, 5, 52-59. | | 9 |
| 36 | Frenkel Excitons in Vacancy-Ordered Titanium Halide Perovskites (Cs ₂ TiX ₆). <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 10965-10975. | 2.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 37 | Gold Polyiodide Hybrid Perovskite Solar Cells. , 0, , 406-412. | | 1 |