

# Vanessa C Wood

## List of Publications by Year in descending order

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126  
papers

8,941  
citations

46918

47  
h-index

40881

93  
g-index

130  
all docs

130  
docs citations

130  
times ranked

11238  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | EIS2MOD: A DRT-Based Modeling Framework for Li-Ion Cells. IEEE Transactions on Industry Applications, 2022, 58, 1429-1439.   | 3.3  | 10        |
| 2  | Effect of Positional Disorders on Charge Transport in Nanocrystal Quantum Dot Thin Films. ACS Applied Electronic Materials, 2022, 4, 631-642.  | 2.0  | 8         |
| 3  | Metasurface Colloidal Quantum Dot Photodetectors. ACS Photonics, 2022, 9, 482-492.   | 3.2  | 11        |
| 4  | Ultra-narrow room-temperature emission from single CsPbBr <sub>3</sub> perovskite quantum dots. Nature Communications, 2022, 13, 2587.   | 5.8  | 66        |
| 5  | Engineering of Oxide Protected Gold Nanoparticles. Journal of Physical Chemistry Letters, 2022, 13, 5824-5830.   | 2.1  | 3         |
| 6  | Gas-sieving zeolitic membranes fabricated by condensation of precursor nanosheets. Nature Materials, 2021, 20, 362-369.  | 13.3 | 86        |
| 7  | Ultra-high throughput manufacturing method for composite solid-state electrolytes. IScience, 2021, 24, 102055.   | 1.9  | 8         |
| 8  | Phase transitions in germanium telluride nanoparticle phase-change materials studied by temperature-resolved x-ray diffraction. Journal of Applied Physics, 2021, 129, 095102.               | 1.1  | 2         |
| 9  | Dynamic lattice distortions driven by surface trapping in semiconductor nanocrystals. Nature Communications, 2021, 12, 1860.   | 5.8  | 19        |
| 10 | Nanocrystal Quantum Dot Devices: How the Lead Sulfide (PbS) System Teaches Us the Importance of Surfaces. Chimia, 2021, 75, 398.   | 0.3  | 13        |
| 11 | Size- and composition-controlled intermetallic nanocrystals via amalgamation seeded growth. Science Advances, 2021, 7, .   | 4.7  | 30        |
| 12 | In Situ TEM Investigation of the Spontaneous Hollowing of Alloy Anode Nanocrystals. Microscopy and Microanalysis, 2021, 27, 1972-1973.   | 0.2  | 0         |
| 13 | Colloidal quantum dot electronics. Nature Electronics, 2021, 4, 548-558.   | 13.1 | 192       |
| 14 | On the use of electrochemical impedance spectroscopy to characterize and model the aging phenomena of lithium-ion batteries: a critical review. Journal of Power Sources, 2021, 505, 229860. | 4.0  | 114       |
| 15 | Enabling 6C Fast Charging of Li-Ion Batteries with Graphite/Hard Carbon Hybrid Anodes. Advanced Energy Materials, 2021, 11, 2003336.   | 10.2 | 116       |
| 16 | Deep learning-based segmentation of lithium-ion battery microstructures enhanced by artificially generated electrodes. Nature Communications, 2021, 12, 6205.                                | 5.8  | 44        |
| 17 | Optical Transitions in Silver Indium Selenide Nanocrystals: Implications for Light-Emitting and Light-Imaging Applications. ACS Applied Nano Materials, 2021, 4, 11239-11248.                | 2.4  | 3         |
| 18 | Recombination Dynamics in PbS Nanocrystal Quantum Dot Solar Cells Studied through Drift-Diffusion Simulations. ACS Applied Electronic Materials, 2021, 3, 4977-4989.                         | 2.0  | 8         |

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|----|--|------|-----------|
| 19 | Ligand Dynamics in Nanocrystal Solids Studied with Quasi-Elastic Neutron Scattering. ACS Nano, 2021, 15, 20517-20526.  | 7.3  | 3         |
| 20 | Self-assembled materials for electrochemical energy storage. MRS Bulletin, 2020, 45, 815-822.  | 1.7  | 7         |
| 21 | Synthesis of small Ag <sup>+</sup> Sb <sup>3+</sup> Te nanocrystals with composition control. Journal of Materials Chemistry C, 2020, 8, 15985-15989.  | 2.7  | 5         |
| 22 | Manipulating Electronic Structure from the Bottom-Up: Colloidal Nanocrystal-Based Semiconductors. Journal of Physical Chemistry Letters, 2020, 11, 9255-9264.  | 2.1  | 9         |
| 23 | Multimodal Nanoscale Tomographic Imaging for Battery Electrodes. Advanced Energy Materials, 2020, 10, 1904119.   | 10.2 | 18        |
| 24 | Optical Properties of Amorphous and Crystalline GeTe Nanoparticle Thin Films: A Phase-Change Material for Tunable Photonics. ACS Applied Nano Materials, 2020, 3, 4314-4320.                             | 2.4  | 20        |
| 25 | Spontaneous and reversible hollowing of alloy anode nanocrystals for stable battery cycling. Nature Nanotechnology, 2020, 15, 475-481.   | 15.6 | 68        |
| 26 | Understanding Electrolyte Infilling of Lithium Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 100546.   | 1.3  | 51        |
| 27 | Charge transport in semiconductors assembled from nanocrystal quantum dots. Nature Communications, 2020, 11, 2852.   | 5.8  | 51        |
| 28 | Quantifying Diffusion through Interfaces of Lithium-Ion Battery Active Materials. ACS Applied Materials & Interfaces, 2020, 12, 16243-16249.   | 4.0  | 19        |
| 29 | Nonequilibrium Thermodynamics of Colloidal Gold Nanocrystals Monitored by Ultrafast Electron Diffraction and Optical Scattering Microscopy. ACS Nano, 2020, 14, 4792-4804.                               | 7.3  | 20        |
| 30 | Bulk and Nanocrystalline Cesium Lead-Halide Perovskites as Seen by Halide Magnetic Resonance. ACS Central Science, 2020, 6, 1138-1149.   | 5.3  | 43        |
| 31 | Dopants and Traps in Nanocrystal-Based Semiconductor Thin Films: Origins and Measurement of Electronic Midgap States. ACS Applied Electronic Materials, 2020, 2, 398-404.                                | 2.0  | 13        |
| 32 | Composition- and Size-Controlled In <sup>+</sup> V <sup>5+</sup> VI Semiconductor Nanocrystals. Chemistry of Materials, 2020, 32, 2078-2085.   | 3.2  | 16        |
| 33 | Phonon-Mediated and Weakly Size-Dependent Electron and Hole Cooling in CsPbBr <sub>3</sub> Nanocrystals Revealed by Atomistic Simulations and Ultrafast Spectroscopy. Nano Letters, 2020, 20, 1819-1829. | 4.5  | 41        |
| 34 | Compact Mid-Infrared Gas Sensing Enabled by an All-Metamaterial Design. Nano Letters, 2020, 20, 4169-4176.   | 4.5  | 83        |
| 35 | Size, Ligand, and Defect-Dependent Electron-Phonon Coupling in Chalcogenide and Perovskite Nanocrystals and Its Impact on Luminescence Line Widths. ACS Photonics, 2020, 7, 1088-1095.                   | 3.2  | 31        |
| 36 | Phonon-engineered solids constructed from nanocrystals. APL Materials, 2019, 7, 081124.  | 2.2  | 7         |

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|----|--|------|-----------|
| 37 | Nanocrystal superlattices as phonon-engineered solids and acoustic metamaterials. <i>Nature Communications</i> , 2019, 10, 4236.   | 5.8  | 25        |
| 38 | Deposition of Organosilicon-Plasma Coating onto Fine Graphite Micropowder with a Downstream Tubular PECVD Reactor. <i>Silicon</i> , 2019, 11, 2185-2192.   | 1.8  | 1         |
| 39 | Surface phonons of lithium ion battery active materials. <i>Sustainable Energy and Fuels</i> , 2019, 3, 508-513.   | 2.5  | 18        |
| 40 | Characterization of contact resistances in ceramic-coated vertically aligned carbon nanotube arrays. <i>RSC Advances</i> , 2019, 9, 7266-7275.   | 1.7  | 2         |
| 41 | Simulating nanocrystal-based solar cells: A lead sulfide case study. <i>Journal of Chemical Physics</i> , 2019, 151, 241104.   | 1.2  | 12        |
| 42 | Characterization and performance evaluation of lithium-ion battery separators. <i>Nature Energy</i> , 2019, 4, 16-25.  | 19.8 | 456       |
| 43 | Tortuosity of Battery Electrodes: Validation of Impedance-Derived Values and Critical Comparison with 3D Tomography. <i>Journal of the Electrochemical Society</i> , 2018, 165, A469-A476.       | 1.3  | 114       |
| 44 | Measuring the Electronic Structure of Nanocrystal Thin Films Using Energy-Resolved Electrochemical Impedance Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1384-1392.    | 2.1  | 22        |
| 45 | Measuring the Vibrational Density of States of Nanocrystal-Based Thin Films with Inelastic X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1561-1567.                  | 2.1  | 20        |
| 46 | Tuning Electron-Phonon Interactions in Nanocrystals through Surface Termination. <i>Nano Letters</i> , 2018, 18, 2233-2242.  | 4.5  | 68        |
| 47 | Quantifying Inhomogeneity of Lithium Ion Battery Electrodes and Its Influence on Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2018, 165, A339-A344.              | 1.3  | 97        |
| 48 | Tuning the Composition of Multicomponent Semiconductor Nanocrystals: The Case of III-VI Materials. <i>Chemistry of Materials</i> , 2018, 30, 1446-1461.  | 3.2  | 155       |
| 49 | Determining the uncertainty in microstructural parameters extracted from tomographic data. <i>Sustainable Energy and Fuels</i> , 2018, 2, 598-605.   | 2.5  | 33        |
| 50 | Machine Learning for Analysis of Time-Resolved Luminescence Data. <i>ACS Photonics</i> , 2018, 5, 4888-4895.   | 3.2  | 29        |
| 51 | In Situ Measurement and Control of the Fermi Level in Colloidal Nanocrystal Thin Films during Their Fabrication. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7165-7172.              | 2.1  | 14        |
| 52 | A "technology-smart" battery policy strategy for Europe. <i>Science</i> , 2018, 361, 1075-1077.  | 6.0  | 24        |
| 53 | Designing Polyolefin Separators to Minimize the Impact of Local Compressive Stresses on Lithium Ion Battery Performance. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1829-A1836. | 1.3  | 64        |
| 54 | Probing Solvent-Ligand Interactions in Colloidal Nanocrystals by the NMR Line Broadening. <i>Chemistry of Materials</i> , 2018, 30, 5485-5492.   | 3.2  | 117       |

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|----|---|------|-----------|
| 55 | Topological and network analysis of lithium ion battery components: the importance of pore space connectivity for cell operation. <i>Energy and Environmental Science</i> , 2018, 11, 3194-3200.  | 15.6 | 56        |
| 56 | X-ray tomography for battery research and development. <i>Nature Reviews Materials</i> , 2018, 3, 293-295.  | 23.3 | 78        |
| 57 | Colloidal Phase-Change Materials: Synthesis of Monodisperse GeTe Nanoparticles and Quantification of Their Size-Dependent Crystallization. <i>Chemistry of Materials</i> , 2018, 30, 6134-6143.   | 3.2  | 24        |
| 58 | Quantification and modeling of mechanical degradation in lithium-ion batteries based on nanoscale imaging. <i>Nature Communications</i> , 2018, 9, 2340.  | 5.8  | 103       |
| 59 | X-Ray Tomography for Lithium Ion Battery Research: A Practical Guide. <i>Annual Review of Materials Research</i> , 2017, 47, 451-479.   | 4.3  | 156       |
| 60 | Low temperature hydrothermal synthesis of battery grade lithium iron phosphate. <i>RSC Advances</i> , 2017, 7, 17763-17767.   | 1.7  | 21        |
| 61 | Upscaling Colloidal Nanocrystal Hot-Injection Syntheses via Reactor Underpressure. <i>Chemistry of Materials</i> , 2017, 29, 796-803.   | 3.2  | 51        |
| 62 | In Situ Monitoring of Cation-Exchange Reaction Shell Growth on Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24345-24351.   | 1.5  | 12        |
| 63 | Mapping the Atomistic Structure of Graded Core/Shell Colloidal Nanocrystals. <i>Scientific Reports</i> , 2017, 7, 11718.  | 1.6  | 10        |
| 64 | Rapid, Non-Invasive Method for Quantifying Particle Orientation Distributions in Graphite Anodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E348-E351.   | 1.3  | 6         |
| 65 | Transport in Lithium Ion Batteries: Reconciling Impedance and Structural Analysis. <i>ACS Energy Letters</i> , 2017, 2, 2452-2453.  | 8.8  | 24        |
| 66 | Cu <sup>2+</sup> /In <sup>3+</sup> -Te and Ag <sup>+</sup> /In <sup>3+</sup> -Te colloidal nanocrystals with tunable composition and size. <i>Chemical Communications</i> , 2016, 52, 10878-10881.  | 2.2  | 22        |
| 67 | Improving Ionic Conductivity and Lithium-Ion Transference Number in Lithium-Ion Battery Separators. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32637-32642.   | 4.0  | 127       |
| 68 | Combining operando synchrotron X-ray tomographic microscopy and scanning X-ray diffraction to study lithium ion batteries. <i>Scientific Reports</i> , 2016, 6, 27994.  | 1.6  | 53        |
| 69 | Rapid Mapping of Lithiation Dynamics in Transition Metal Oxide Particles with Operando X-ray Absorption Spectroscopy. <i>Scientific Reports</i> , 2016, 6, 21479.   | 1.6  | 47        |
| 70 | Quantifying microstructural dynamics and electrochemical activity of graphite and silicon-graphite lithium ion battery anodes. <i>Nature Communications</i> , 2016, 7, 12909.   | 5.8  | 109       |
| 71 | Applying the Macroscopic Kinetic Approach to Plasma Polymerization to the Plasma Surface Modification of Micropowders: Attempt of Correlating Powder Flowability and Plasma Process Parameters. <i>Plasma Processes and Polymers</i> , 2016, 13, 334-340. | 1.6  | 6         |
| 72 | Transient Photovoltage Measurements in Nanocrystal-Based Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12900-12908.  | 1.5  | 26        |

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|----|--|------|-----------|
| 73 | Communicationâ€”Technique for Visualization and Quantification of Lithium-Ion Battery Separator Microstructure. <i>Journal of the Electrochemical Society</i> , 2016, 163, A992-A994.            | 1.3  | 56        |
| 74 | Soft surfaces of nanomaterials enable strong phonon interactions. <i>Nature</i> , 2016, 531, 618-622.  | 13.7 | 133       |
| 75 | Design and Fabrication of Microspheres with Hierarchical Internal Structure for Tuning Battery Performance. <i>Advanced Science</i> , 2015, 2, 1500078.  | 5.6  | 9         |
| 76 | Battery Performance: Design and Fabrication of Microspheres with Hierarchical Internal Structure for Tuning Battery Performance ( <i>Adv. Sci.</i> 6/2015). <i>Advanced Science</i> , 2015, 2, . | 5.6  | 0         |
| 77 | A quantitative model for charge carrier transport, trapping and recombination in nanocrystal-based solar cells. <i>Nature Communications</i> , 2015, 6, 6180.                                    | 5.8  | 113       |
| 78 | Influence of Conversion Material Morphology on Electrochemistry Studied with Operando Xâ€”Ray Tomography and Diffraction. <i>Advanced Materials</i> , 2015, 27, 1676-1681.                       | 11.1 | 48        |
| 79 | Tool for Tortuosity Estimation in Lithium Ion Battery Porous Electrodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3064-A3070.   | 1.3  | 137       |
| 80 | Independent Composition and Size Control for Highly Luminescent Indium-Rich Silver Indium Selenide Nanocrystals. <i>ACS Nano</i> , 2015, 9, 11134-11142.   | 7.3  | 70        |
| 81 | Research Update: Comparison of salt- and molecular-based iodine treatments of PbS nanocrystal solids for solar cells. <i>APL Materials</i> , 2015, 3, .  | 2.2  | 9         |
| 82 | Modeling and optimization of atomic layer deposition processes on vertically aligned carbon nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 234-244.                            | 1.5  | 27        |
| 83 | Electrodes: Tortuosity Anisotropy in Lithium-Ion Battery Electrodes ( <i>Adv. Energy Mater.</i> 5/2014). <i>Advanced Energy Materials</i> , 2014, 4, .   | 10.2 | 4         |
| 84 | Tortuosity Anisotropy in Lithiumâ€”Ion Battery Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1301278.  | 10.2 | 309       |
| 85 | Hole Mobility in Nanocrystal Solids as a Function of Constituent Nanocrystal Size. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3522-3527.  | 2.1  | 41        |
| 86 | Electrical characterization of nanocrystal solids. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3172-3184.   | 2.7  | 22        |
| 87 | Enhanced Charge Transport Kinetics in Anisotropic, Stratified Photoanodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1389-1393.   | 4.0  | 10        |
| 88 | Rapid, microwave-assisted synthesis of battery-grade lithium titanate (LTO). <i>RSC Advances</i> , 2013, 3, 15618.   | 1.7  | 13        |
| 89 | Xâ€”Ray Tomography of Porous, Transition Metal Oxide Based Lithium Ion Battery Electrodes. <i>Advanced Energy Materials</i> , 2013, 3, 845-850.  | 10.2 | 215       |
| 90 | Highly Luminescent, Size- and Shape-Tunable Copper Indium Selenide Based Colloidal Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 3753-3757.  | 3.2  | 113       |

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|-----|--|------|-----------|
| 91  | Challenges and solutions for high-efficiency quantum dot-based LEDs. MRS Bulletin, 2013, 38, 731-736.  | 1.7  | 70        |
| 92  | Visualization and Quantification of Electrochemical and Mechanical Degradation in Li Ion Batteries. Science, 2013, 342, 716-720.   | 6.0  | 571       |
| 93  | High-Quality Transparent Electrodes Spin-Cast from Preformed Antimony-Doped Tin Oxide Nanocrystals for Thin Film Optoelectronics. Chemistry of Materials, 2013, 25, 4901-4907. | 3.2  | 61        |
| 94  | Quantification of Deep Traps in Nanocrystal Solids, Their Electronic Properties, and Their Influence on Device Behavior. Nano Letters, 2013, 13, 5284-5288.                    | 4.5  | 103       |
| 95  | Origins of Low Quantum Efficiencies in Quantum Dot LEDs. Advanced Functional Materials, 2013, 23, 3024-3029.   | 7.8  | 139       |
| 96  | Deep Level Transient Spectroscopy (DLTS) on Colloidal-Synthesized Nanocrystal Solids. ACS Applied Materials & Interfaces, 2013, 5, 2915-2919.                                  | 4.0  | 41        |
| 97  | Validity of the Bruggeman relation for porous electrodes. Modelling and Simulation in Materials Science and Engineering, 2013, 21, 074009.                                     | 0.8  | 179       |
| 98  | Nanophotonic luminescent solar concentrators. Applied Physics Letters, 2013, 103, 131113.  | 1.5  | 7         |
| 99  | Colloidal quantum dot light emitting devices. , 2013, , 148-172.   |      | 4         |
| 100 | Study of field driven electroluminescence in colloidal quantum dot solids. Journal of Applied Physics, 2012, 111, .  | 1.1  | 38        |
| 101 | Electroluminescence from Nanoscale Materials via Field-Driven Ionization. Nano Letters, 2011, 11, 2927-2932.   | 4.5  | 51        |
| 102 | Semi-Solid Lithium Rechargeable Flow Battery. Advanced Energy Materials, 2011, 1, 511-516.   | 10.2 | 482       |
| 103 | Flow Batteries: Semi-Solid Lithium Rechargeable Flow Battery (Adv. Energy Mater. 4/2011). Advanced Energy Materials, 2011, 1, 458-458.   | 10.2 | 3         |
| 104 | Colloidal quantum dot light-emitting devices. Nano Reviews, 2010, 1, 5202.   | 3.7  | 350       |
| 105 | Tunable Infrared Emission From Printed Colloidal Quantum Dot/Polymer Composite Films on Flexible Substrates. Journal of Display Technology, 2010, 6, 90-93.                    | 1.3  | 22        |
| 106 | Measuring charge trap occupation and energy level in CdSe/ZnS quantum dots using a scanning tunneling microscope. Physical Review B, 2010, 81, .                               | 1.1  | 42        |
| 107 | Air-Stable Operation of Transparent, Colloidal Quantum Dot Based LEDs with a Unipolar Device Architecture. Nano Letters, 2010, 10, 24-29.                                      | 4.5  | 149       |
| 108 | Inkjet-Printed Quantum Dot-Polymer Composites for Full-Color AC-Driven Displays. Advanced Materials, 2009, 21, 2151-2155.  | 11.1 | 367       |

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|-----|--|------|-----------|
| 109 | Alternating Current Driven Electroluminescence from ZnSe/ZnS:Mn/ZnS Nanocrystals. Nano Letters, 2009, 9, 2367-2371.  | 4.5  | 194       |
| 110 | Selection of Metal Oxide Charge Transport Layers for Colloidal Quantum Dot LEDs. ACS Nano, 2009, 3, 3581-3586.   | 7.3  | 199       |
| 111 | Colloidal quantum-dot light-emitting diodes with metal-oxide charge transport layers. Nature Photonics, 2008, 2, 247-250.  | 15.6 | 855       |
| 112 | Efficient All-Inorganic Colloidal Quantum Dot LEDs. , 2007, , .  |      | 4         |
| 113 | Spectroscopie pompe-sonde pour la dÃ©tection de bioaÃ©rosols. European Physical Journal Special Topics, 2006, 135, 185-186.  | 0.2  | 0         |
| 114 | Enhanced density of low-lying O+ states: A corroboration of shape phase transitional behavior. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 44-49. | 1.5  | 52        |
| 115 | Extensive investigation of O+ states in rare earth region nuclei. Physical Review C, 2006, 74, .   | 1.1  | 75        |
| 116 | Femtosecond laser pulses distinguish bacteria from background urban aerosols. Applied Physics Letters, 2005, 87, 063901.   | 1.5  | 25        |
| 117 | Epitaxial growth of Pb(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> on Si and its nanoscale piezoelectric properties. Applied Physics Letters, 2001, 78, 2034-2036.                         | 1.5  | 79        |
| 118 | Seed Amalgamation Reaction as Generalizable Approach for Size and Composition Uniform Intermetallic Nanocrystals. , 0, , .   |      | 0         |
| 119 | Vibrations and Electron-Phonon Coupling in Lead Halide Perovskite Nanocrystals. , 0, , .   |      | 0         |
| 120 | Phonon-Mediated and Weakly Size-Dependent Electron and Hole Cooling in CsPbBr <sub>3</sub> Nanocrystals Revealed by Atomistic Simulations and Ultrafast Spectroscopy. , 0, , .                     |      | 0         |
| 121 | TBC. , 0, , .  |      | 0         |
| 122 | Vibrations and Electron-Phonon Coupling in Lead Halide Perovskite Nanocrystals. , 0, , .   |      | 0         |
| 123 | Searching for better X-ray and $\hat{\gamma}$ -ray photodetectors: structureâ€“composition properties of the TlPb <sub>2</sub> Br <sub>5</sub> quaternary system. Materials Advances, 0, , .       | 2.6  | 3         |
| 124 | Measuring Electron-Phonon Coupling induced Lattice Reorganization in Lead Halide Perovskite Nanocrystals through Femto-Second Resolved Optical-pump Diffraction-probe experiments. , 0, , .        |      | 0         |
| 125 | Size and Composition Controlled Intermetallic Nanocrystals via Amalgamation Seeded Growth. , 0, , .  |      | 0         |
| 126 | In Situ Formation of Lithium Polyacrylate Binder for Aqueous Manufacturing and Recycling of Ni-Rich Cathodes. Journal of the Electrochemical Society, 0, , .                                       | 1.3  | 3         |