# Iwan Moreels

List of Publications by Year
in descending order



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|---|---|---|---|
| 127 papers | 8,696 citations | 43973 48 h-index | 43802 91 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 9802 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Size-Dependent Optical Properties of Colloidal PbS Quantum Dots. ACS Nano, 2009, 3, 3023-3030. | 7.3 | 1,024 |
| 2 | Composition and Size-Dependent Extinction Coefficient of Colloidal PbSe Quantum Dots. Chemistry of Materials, 2007, 19, 6101-6106. | 3.2 | 475 |
| 3 | Size-Tunable, Bright, and Stable PbS Quantum Dots: A Surface Chemistry Study. ACS Nano, 2011, 5, 2004-2012. | 7.3 | 446 |
| 4 | Continuous-wave biexciton lasing at room temperature using solution-processed quantum wells. Nature Nanotechnology, 2014, 9, 891-895. | 15.6 | 433 |
| 5 | Role of Acidâ€“Base Equilibria in the Size, Shape, and Phase Control of Cesium Lead Bromide Nanocrystals. ACS Nano, 2018, 12, 1704-1711. | 7.3 | 395 |
| 6 | Surface Chemistry of Colloidal PbSe Nanocrystals. Journal of the American Chemical Society, 2008, 130, 15081-15086. | 6.6 | 352 |
| 7 | Luminescence in Sulfides: A Rich History and a Bright Future. Materials, 2010, 3, 2834-2883. | 1.3 | 228 |
| 8 | Short-Chain Alcohols Strip X-Type Ligands and Quench the Luminescence of PbSe and CdSe Quantum Dots, Acetonitrile Does Not. Journal of the American Chemical Society, 2012, 134, 20705-20712. | 6.6 | 221 |
| 9 | In Situ Observation of Rapid Ligand Exchange in Colloidal Nanocrystal Suspensions Using Transfer NOE Nuclear Magnetic Resonance Spectroscopy. Journal of the American Chemical Society, 2009, 131, 3024-3032. | 6.6 | 190 |
| 10 | From Binary Cu<sub>2</sub>S to Ternary Cuâ€“Inâ€“S and Quaternary Cuâ€“Inâ€“Znâ€“S Nanocrystals with Tunable Composition <i>via</i> Partial Cation Exchange. ACS Nano, 2015, 9, 521-531. | 7.3 | 173 |
| 11 | Light absorption by colloidal semiconductor quantum dots. Journal of Materials Chemistry, 2012, 22, 10406. | 6.7 | 153 |
| 12 | Probing the Wave Function Delocalization in CdSe/CdS Dot-in-Rod Nanocrystals by Time- and Temperature-Resolved Spectroscopy. ACS Nano, 2011, 5, 4031-4036. | 7.3 | 148 |
| 13 | Optical Properties of Zincblende Cadmium Selenide Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 6371-6376. | 1.5 | 143 |
| 14 | Giant exciton oscillator strength and radiatively limited dephasing in two-dimensional platelets. Physical Review B, 2015, 91, . | 1.1 | 143 |
| 15 | Synthesis of Uniform Disk-Shaped Copper Telluride Nanocrystals and Cation Exchange to Cadmium Telluride Quantum Disks with Stable Red Emission. Journal of the American Chemical Society, 2013, 135, 12270-12278. | 6.6 | 138 |
| 16 | Chloride-Induced Thickness Control in CdSe Nanoplatelets. Nano Letters, 2018, 18, 6248-6254. | 4.5 | 135 |
| 17 | Two-Dimensional Material Interface Engineering for Efficient Perovskite Large-Area Modules. ACS Energy Letters, 2019, 4, 1862-1871. | 8.8 | 125 |
| 18 | PbTe\|CdTe Core\|Shell Particles by Cation Exchange, a HR-TEM study. Chemistry of Materials, 2009, 21, 778-780. | 3.2 | 121 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Two Photon Absorption in IIâ€“VI Semiconductors: The Influence of Dimensionality and Size. Nano Letters, 2015, 15, 4985-4992. | 4.5 | 120 |
| 20 | A sustainable future for photonic colloidal nanocrystals. Chemical Society Reviews, 2015, 44, 5897-5914. | 18.7 | 115 |
| 21 | Epitaxially Connected PbSe Quantum-Dot Films: Controlled Neck Formation and Optoelectronic Properties. ACS Nano, 2014, 8, 11499-11511. | 7.3 | 114 |
| 22 | Nuclear Magnetic Resonance Spectroscopy Demonstrating Dynamic Stabilization of CdSe Quantum Dots by Alkylamines. Journal of Physical Chemistry Letters, 2010, 1, 2577-2581. | 2.1 | 102 |
| 23 | Synthesis of Air-Stable CdSe/ZnS Coreâ€“Shell Nanoplatelets with Tunable Emission Wavelength. Chemistry of Materials, 2017, 29, 5671-5680. | 3.2 | 96 |
| 24 | Solution-Processed Hybrid Graphene Flake/2H-MoS<sub>2</sub> Quantum Dot Heterostructures for Efficient Electrochemical Hydrogen Evolution. Chemistry of Materials, 2017, 29, 5782-5786. | 3.2 | 93 |
| 25 | Shape control of zincblende CdSe nanoplatelets. Chemical Communications, 2016, 52, 11975-11978. | 2.2 | 92 |
| 26 | In Situ1H NMR Study on the Trioctylphosphine Oxide Capping of Colloidal InP Nanocrystals. ChemPhysChem, 2005, 6, 2578-2584. | 1.0 | 91 |
| 27 | Synthesis of highly luminescent wurtzite CdSe/CdS giant-shell nanocrystals using a fast continuous injection route. Journal of Materials Chemistry C, 2014, 2, 3439. | 2.7 | 90 |
| 28 | The Different Nature of Band Edge Absorption and Emission in Colloidal PbSe/CdSe Core/Shell Quantum Dots. ACS Nano, 2011, 5, 58-66. | 7.3 | 84 |
| 29 | Ligand Adsorption/Desorption on Sterically Stabilized InP Colloidal Nanocrystals: Observation and Thermodynamic Analysis. ChemPhysChem, 2006, 7, 1028-1031. | 1.0 | 81 |
| 30 | Nearly Temperatureâ€Independent Threshold for Amplified Spontaneous Emission in Colloidal CdSe/CdS Quantum Dotâ€inâ€Rods. Advanced Materials, 2012, 24, OP231-5. | 11.1 | 74 |
| 31 | Graphene-based technologies for energy applications, challenges and perspectives. 2D Materials, 2015, 2, 030204. | 2.0 | 74 |
| 32 | Singleâ€Mode Lasing from Colloidal Waterâ€Soluble CdSe/CdS Quantum Dotâ€inâ€Rods. Small, 2015, 11, 1328-1334. | 5.2 | 70 |
| 33 | High-Efficiency All-Solution-Processed Light-Emitting Diodes Based on Anisotropic Colloidal Heterostructures with Polar Polymer Injecting Layers. Nano Letters, 2015, 15, 5455-5464. | 4.5 | 69 |
| 34 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi></mml:mrow></mml:math>-State Luminescence in CdSe Nanoplatelets: Role of Lateral Confinement and a Longitudinal Optical Phonon Bottleneck. Physical Review Letters, 2016, 116, 116802. | 2.9 | 68 |
| 35 | Reduction of moisture sensitivity of PbS quantum dot solar cells by incorporation of reduced graphene oxide. Solar Energy Materials and Solar Cells, 2018, 183, 1-7. | 3.0 | 68 |
| 36 | Colloidal CsX (X = Cl, Br, I) Nanocrystals and Their Transformation to CsPbX<sub>3</sub> Nanocrystals by Cation Exchange. Chemistry of Materials, 2018, 30, 79-83. | 3.2 | 67 |

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| 37 | Dielectric function of colloidal lead chalcogenide quantum dots obtained by a Kramers-KrÃ¶nig analysis of the absorbance spectrum. Physical Review B, 2010, 81, . | 1.1 | 66 |
| 38 | Reversed oxygen sensing using colloidal quantum wells towards highly emissive photoresponsive varnishes. Nature Communications, 2015, 6, 6434. | 5.8 | 66 |
| 39 | CuIn<sub><i>x</i></sub>Ga<sub>1â€“<i>x</i></sub>S<sub>2</sub> Nanocrystals with Tunable Composition and Band Gap Synthesized via a Phosphine-Free and Scalable Procedure. Chemistry of Materials, 2013, 25, 3180-3187. | 3.2 | 65 |
| 40 | Band structure engineering via piezoelectric fields in strained anisotropic CdSe/CdS nanocrystals. Nature Communications, 2015, 6, 7905. | 5.8 | 65 |
| 41 | Tunable and Efficient Red to Near-Infrared Photoluminescence by Synergistic Exploitation of Core and Surface Silver Doping of CdSe Nanoplatelets. Chemistry of Materials, 2019, 31, 1450-1459. | 3.2 | 64 |
| 42 | Band-Edge Exciton Fine Structure of Small, Nearly Spherical Colloidal CdSe/ZnS Quantum Dots. ACS Nano, 2011, 5, 8033-8039. | 7.3 | 60 |
| 43 | Effect of Core/Shell Interface on Carrier Dynamics and Optical Gain Properties of Dual-Color Emitting CdSe/CdS Nanocrystals. ACS Nano, 2016, 10, 6877-6887. | 7.3 | 57 |
| 44 | Synthesis of Highly Fluorescent Copper Clusters Using Living Polymer Chains as Combined Reducing Agents and Ligands. ACS Nano, 2015, 9, 11886-11897. | 7.3 | 53 |
| 45 | On the use of CdSe scintillating nanoplatelets as time taggers for high-energy gamma detection. Npj 2D Materials and Applications, 2019, 3, . | 3.9 | 53 |
| 46 | Langmuirâ€“Blodgett monolayers of colloidal lead chalcogenide quantum dots: morphology and photoluminescence. Nanotechnology, 2010, 21, 295606. | 1.3 | 51 |
| 47 | The dielectric function of PbS quantum dots in a glass matrix. Optical Materials Express, 2012, 2, 496. | 1.6 | 49 |
| 48 | PbSe quantum dots: Finite, off-stoichiometric, and structurally distorted. Physical Review B, 2010, 81, . | 1.1 | 48 |
| 49 | Controlling the Exciton Fine Structure Splitting in CdSe/CdS Dot-in-Rod Nanojunctions. ACS Nano, 2012, 6, 1979-1987. | 7.3 | 48 |
| 50 | Solution NMR techniques for investigating colloidal nanocrystal ligands: A case study on trioctylphosphine oxide at InP quantum dots. Sensors and Actuators B: Chemical, 2007, 126, 283-288. | 4.0 | 46 |
| 51 | Two-Photon-Induced Blue Shift of Core and Shell Optical Transitions in Colloidal CdSe/CdS Quasi-Type II Quantum Rods. ACS Nano, 2013, 7, 2443-2452. | 7.3 | 46 |
| 52 | Near-Infrared Cuâ€“Inâ€“Se-Based Colloidal Nanocrystals via Cation Exchange. Chemistry of Materials, 2018, 30, 2607-2617. | 3.2 | 45 |
| 53 | Efficient charge transfer in solution-processed PbS quantum dotâ€“reduced graphene oxide hybrid materials. Journal of Materials Chemistry C, 2015, 3, 7088-7095. | 2.7 | 43 |
| 54 | Strong Excitonâ€“Photon Coupling with Colloidal Nanoplatelets in an Open Microcavity. Nano Letters, 2016, 16, 7137-7141. | 4.5 | 42 |

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| 55 | Near-Infrared Emitting Colloidal PbS Nanoplatelets: Lateral Size Control and Optical Spectroscopy. Chemistry of Materials, 2017, 29, 2883-2889. | 3.2 | 42 |
| 56 | Ultrafast emission from colloidal nanocrystals under pulsed X-ray excitation. Journal of Instrumentation, 2016, 11, P10015-P10015. | 0.5 | 41 |
| 57 | Engineering the Spinâ€"Flip Limited Exciton Dephasing in Colloidal CdSe/CdS Quantum Dots. ACS Nano, 2012, 6, 5227-5233. | 7.3 | 40 |
| 58 | Broadband Amplified Spontaneous Emission and Random Lasing from Wurtzite CdSe/CdS â€œGiant-Shellâ€• Nanocrystals. ACS Photonics, 2016, 3, 2083-2088. | 3.2 | 38 |
| 59 | Extending the Colloidal Transition Metal Dichalcogenide Library to ReS<sub>2</sub> Nanosheets for Application in Gas Sensing and Electrocatalysis. Small, 2019, 15, e1904670. | 5.2 | 38 |
| 60 | Colloidal Synthesis of Laterally Confined Blue-Emitting 3.5 Monolayer CdSe Nanoplatelets. Chemistry of Materials, 2020, 32, 9260-9267. | 3.2 | 37 |
| 61 | Tuning trion binding energy and oscillator strength in a laterally finite 2D system: CdSe nanoplatelets as a model system for trion properties. Nanoscale, 2020, 12, 14448-14458. | 2.8 | 37 |
| 62 | Composition-, Size-, and Surface Functionalization-Dependent Optical Properties of Lead Bromide Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 2079-2085. | 2.1 | 37 |
| 63 | CdSe/CdS/CdTe Core/Barrier/Crown Nanoplatelets: Synthesis, Optoelectronic Properties, and Multiphoton Fluorescence Upconversion. ACS Nano, 2020, 14, 4206-4215. | 7.3 | 36 |
| 64 | Disentangling the Role of Shape, Ligands, and Dielectric Constants in the Absorption Properties of Colloidal CdSe/CdS Nanocrystals. ACS Photonics, 2016, 3, 58-67. | 3.2 | 34 |
| 65 | Spectroscopy of the nonlinear refractive index of colloidal PbSe nanocrystals. Applied Physics Letters, 2006, 89, 193106. | 1.5 | 33 |
| 66 | Electrical control of single-photon emission in highly charged individual colloidal quantum dots. Science Advances, 2020, 6, . | 4.7 | 33 |
| 67 | Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. Nature Nanotechnology, 2020, 15, 277-282. | 15.6 | 32 |
| 68 | Graphene-Based Hole-Selective Layers for High-Efficiency, Solution-Processed, Large-Area, Flexible, Hydrogen-Evolving Organic Photocathodes. Journal of Physical Chemistry C, 2017, 121, 21887-21903. | 1.5 | 30 |
| 69 | Polymer assisted deposition of high-quality CsPbI2Br film with enhanced film thickness and stability. Nano Research, 2020, 13, 684-690. | 5.8 | 30 |
| 70 | Localization-limited exciton oscillator strength in colloidal CdSe nanoplatelets revealed by the optically induced stark effect. Light: Science and Applications, 2021, 10, 112. | 7.7 | 30 |
| 71 | Exciton Binding Energy in CdSe Nanoplatelets Measured by One- and Two-Photon Absorption. Nano Letters, 2021, 21, 10525-10531. | 4.5 | 27 |
| 72 | On the Interpretation of Colloidal Quantumâ€Dot Absorption Spectra. Small, 2008, 4, 1866-1868. | 5.2 | 26 |

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| 73 | Quantum Dot Micropatterning on Si. Langmuir, 2008, 24, 5961-5966. | 1.6 | 25 |
| 74 | Piezoelectric Control of the Exciton Wave Function in Colloidal CdSe/CdS Nanocrystals. Journal of Physical Chemistry Letters, 2016, 7, 2182-2188. | 2.1 | 25 |
| 75 | Near-Edge Ligand Stripping and Robust Radiative Exciton Recombination in CdSe/CdS Core/Crown Nanoplatelets. Journal of Physical Chemistry Letters, 2020, 11, 3339-3344. | 2.1 | 24 |
| 76 | A comparative study demonstrates strong size tunability of carrierâ€"phonon coupling in CdSe-based 2D and 0D nanocrystals. Nanoscale, 2019, 11, 3958-3967. | 2.8 | 24 |
| 77 | Exciton Dynamics within the Band-Edge Manifold States: The Onset of an Acoustic Phonon Bottleneck. Nano Letters, 2012, 12, 5224-5229. | 4.5 | 23 |
| 78 | Langmuirâ€"Blodgett monolayers of InP quantum dots with short chain ligands. Journal of Colloid and Interface Science, 2006, 300, 597-602. | 5.0 | 21 |
| 79 | Exciton dephasing in lead sulfide quantum dots by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi></mml:mrow></mml:math>-point phonons. Physical Review B, 2011, 83, . | 1.1 | 21 |
| 80 | Energy transfer is speeded up in 2D. Nature Materials, 2015, 14, 464-465. | 13.3 | 21 |
| 81 | Preferred Growth Direction by PbS Nanoplatelets Preserves Perovskite Infrared Light Harvesting for Stable, Reproducible, and Efficient Solar Cells. Advanced Energy Materials, 2020, 10, 2002422. | 10.2 | 20 |
| 82 | Selfâ€Assembled Dense Colloidal Cu<sub>2</sub>Te Nanodisk Networks in P3HT Thin Films with Enhanced Photocurrent. Advanced Functional Materials, 2016, 26, 4535-4542. | 7.8 | 19 |
| 83 | Size-dependent exciton substructure in CdSe nanoplatelets and its relation to photoluminescence dynamics. Nanoscale, 2019, 11, 12230-12241. | 2.8 | 19 |
| 84 | Rapid and robust control of single quantum dots. Light: Science and Applications, 2017, 6, e16239-e16239. | 7.7 | 18 |
| 85 | Increasing responsivity and air stability of PbS colloidal quantum dot photoconductors with iodine surface ligands. Nanotechnology, 2019, 30, 405204. | 1.3 | 18 |
| 86 | Role of interband and photoinduced absorption in the nonlinear refraction and absorption of resonantly excited PbS quantum dots around 1550 nm. Physical Review B, 2012, 85, . | 1.1 | 17 |
| 87 | Oxygen Sensitivity of Atomically Passivated CdS Nanocrystal Films. ACS Applied Materials & Interfaces, 2014, 6, 9517-9523. | 4.0 | 17 |
| 88 | Revisiting the Anion Framework Conservation in Cation Exchange Processes. Chemistry of Materials, 2016, 28, 7872-7877. | 3.2 | 15 |
| 89 | Four-wave-mixing imaging and carrier dynamics of PbS colloidal quantum dots. Physical Review B, 2010, 82, . | 1.1 | 13 |
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| 91 | Impact of the Bandâ€Edge Fine Structure on the Energy Transfer between Colloidal Quantum Dots. Advanced Optical Materials, 2014, 2, 126-130. | 3.6 | 12 |
| 92 | Dye-Sensitized Ternary Copper Chalcogenide Nanocrystals: Optoelectronic Properties, Air Stability, and Photosensitivity. Chemistry of Materials, 2019, 31, 2443-2449. | 3.2 | 12 |
| 93 | Core/Shell CdSe/CdS Boneâ€Shaped Nanocrystals with a Thick and Anisotropic Shell as Optical Emitters. Advanced Optical Materials, 2020, 8, 1901463. | 3.6 | 12 |
| 94 | The non-linear refractive index of colloidal PbSe nanocrystals: Spectroscopy and saturation behaviour. Journal of Luminescence, 2006, 121, 369-374. | 1.5 | 11 |
| 95 | Two-photon based pulse autocorrelation with CdSe nanoplatelets. Nanoscale, 2019, 11, 17293-17300. | 2.8 | 11 |
| 96 | Giant-Shell CdSe/CdS Nanocrystals: Exciton Coupling to Shell Phonons Investigated by Resonant Raman Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 399-405. | 2.1 | 11 |
| 97 | Mechanically flexible and optically transparent three-dimensional nanofibrous amorphous aerocellulose. Carbohydrate Polymers, 2016, 149, 217-223. | 5.1 | 10 |
| 98 | Ultrafast stimulated emission microscopy of single nanocrystals. Science, 2019, 366, 1240-1243. | 6.0 | 10 |
| 99 | Band-edge oscillator strength of colloidal CdSe/CdS dot-in-rods: comparison of absorption and time-resolved fluorescence spectroscopy. Nanoscale, 2017, 9, 4730-4738. | 2.8 | 9 |
| 100 | Van Hove Singularities and Trap States in Two-Dimensional CdSe Nanoplatelets. Nano Letters, 2021, 21, 1702-1708. | 4.5 | 9 |
| 101 | Transmission of a quantum-dot-silicon-on-insulator hybrid notch filter. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1243. | 0.9 | 7 |
| 102 | Ligands for Nanoparticles. , 2011, , 21-49. | | 7 |
| 103 | Synthesis of Anisotropic CdSe/CdS Dot-in-Giant-Rod Nanocrystals with Persistent Blue-Shifted Biexciton Emission. ACS Photonics, 2018, 5, 4561-4568. | 3.2 | 7 |
| 104 | Comment on â€œSize-Dependent Composition and Molar Extinction Coefficient of PbSe Semiconductor Nanocrystalsâ€• ACS Nano, 2009, 3, 2053-2053. | 7.3 | 4 |
| 105 | Objective-free excitation of quantum emitters with a laser-written micro parabolic mirror. APL Photonics, 2020, 5, 071302. | 3.0 | 3 |
| 106 | Stimulated Emission through an Electronâ€"Hole Plasma in Colloidal CdSe Quantum Rings. Nano Letters, 2021, 21, 10062-10069. | 4.5 | 3 |
| 107 | Semiconductor Nanostructures for Electronic and Optoâ€Electronic Device Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000065. | 0.8 | 2 |
| 108 | Electrically Pumped QD Light Emission from LEDs to Lasers. Information Display, 2021, 37, 6-17. | 0.1 | 2 |

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| 109 | Semiconductor Nanostructures towards Electronic and Optoelectronic Device Applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 193-194. | 0.8 | 1 |
| 110 | Let There Be Order, in Films of Colloidal CdSe 2D Nanocrystals. Nano Letters, 2020, 20, 2941-2942. | 4.5 | 1 |
| 111 | InP-nanocrystal monolayer deposition onto silicon-on-insulator structures. , 2005, , . | | 0 |
| 112 | Solution NMR Spectroscopy as a Useful Tool to Investigate Colloidal Nanocrystal Dispersions from the Capping Ligand's Point of View. Materials Research Society Symposia Proceedings, 2006, 984, 1. | 0.1 | 0 |
| 113 | Ultrafast exciton dephasing in PbS colloidal quantum dots. , 2011, , . | | 0 |
| 114 | Semiconductor nanostructures towards electronic and opto-electronic device applications V. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1365-1366. | 0.8 | 0 |
| 115 | Ligands for Nanoparticles. , 2016, , 171-200. | | 0 |
| 116 | Tuning the Optoelectronic Properties of Colloidal 2D Nanocrystals for Photonic and Energy Applications. , 0, , . | | 0 |
| 117 | Gain Spectroscopy and Tunable Single Mode Lasing of Solution-Based Quantum Dots and Nanoplatelets Using Tunable Open Microcavities. , 2016, , . | | 0 |
| 118 | Spectral Dynamics of Linearly Polarized Bright Exciton in InP/ZnSe Colloidal Quantum Dots. , 0, , . | | 0 |
| 119 | Tunable Emission Fine Structure and Origin of Quadratic TPA in 2D CdSe Nanoplatelets. , 0, , . | | 0 |
| 120 | Silver Doping in Cadmium Chalcogenide Colloidal Nanoplatelets. , 0, , . | | 0 |
| 121 | Ultrafast Stimulated Emission Microscopy of Single Nanocrystals. , 2020, , . | | 0 |
| 122 | Fluorescence Quantum Efficiency Enhancement in Size-Controlled 3.5 Monolayer Cadmium Telluride Nanoplatelets. , 0, , . | | 0 |
| 123 | COLLOIDAL SYNTHESIS OF FLUORESCENT MoX2 (X = S, Se) NANOSHEETS VIA A DESIGN OF EXPERIMENTS APPROACH. , 0, , . | | 0 |
| 124 | CROWN SIZE EFFECT on the LIGHT AMPLIFICATION FEATURES of CORE/CROWN (CdSe/CdS) NANOPLATELETS. , 0, , . | | 0 |
| 125 | Colloidal Synthesis Of Fluorescent MoX2 (X = S, Se) Nanosheets Via a Design Of Experiments Approach. , 0, , . | | 0 |
| 126 | Disruptive Full Spectrum Optical Gain in Bulk-Like CdS/Se Quantum Dots through Strong Band Gap Renormalization. , 0, , . | | 0 |

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| 127 | Development of CdSe CdS core shell nanocrystals with near unity fluorescence efficiency. , 0, , . | | 0 |