# Jiwon Bang

List of Publications by Year
in descending order

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| 36 | 1,660 | 430874 | 345221 |
|---|---|---|---|
| papers | citations | 18 h-index | 36 g-index |

| 36 | 36 | 36 | 3149 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of Zn impurity on the photoluminescence properties of InP quantum dots. Journal of Luminescence, 2022, 245, 118647. | 3.1 | 6 |
| 2 | Preparation of InP quantum dots-TiO<sub>2</sub> nanoparticle composites with enhanced visible light induced photocatalytic activity. CrystEngComm, 2022, 24, 3724-3730. | 2.6 | 4 |
| 3 | Coalescence of colloidal cadmium chalcogenide nanocrystals by controlled stripping of the surface ligands. Applied Surface Science, 2021, 540, 148263. | 6.1 | 2 |
| 4 | Synthesis of near-infrared-emitting type-II In(Zn)P/ZnTe (core/shell) quantum dots. Journal of Alloys and Compounds, 2021, 886, 161233. | 5.5 | 9 |
| 5 | Growth of Monolayer and Multilayer MoS2 Films by Selection of Growth Mode: Two Pathways via Chemisorption and Physisorption of an Inorganic Molecular Precursor. ACS Applied Materials & Interfaces, 2021, 13, 6805-6812. | 8.0 | 16 |
| 6 | Size-Dependent Photovoltaic Performance of CdSe Supraquantum Dot/Polymer Hybrid Solar Cells: â€œGoldilocks Problemâ€•Resolved by Tuning the Band Alignment Using Surface Ligands. Journal of Physical Chemistry C, 2020, 124, 25775-25783. | 3.1 | 2 |
| 7 | Tunable Optical Transition in 2H-MoS<sub>2</sub> via Direct Electrochemical Engineering of Vacancy Defects and Surface Sâ€“C Bonds. ACS Applied Materials & Interfaces, 2020, 12, 40870-40878. | 8.0 | 19 |
| 8 | Controlled Photoinduced Electron Transfer from InP/ZnS Quantum Dots through Cu Doping: A New Prototype for the Visible-Light Photocatalytic Hydrogen Evolution Reaction. Nano Letters, 2020, 20, 6263-6271. | 9.1 | 50 |
| 9 | Pattern formation of metalâ€“oxide hybrid nanostructures via the self-assembly of di-block copolymer blends. Nanoscale, 2019, 11, 18559-18567. | 5.6 | 15 |
| 10 | Assembly Mechanism and the Morphological Analysis of the Robust Superhydrophobic Surface. Coatings, 2019, 9, 472. | 2.6 | 5 |
| 11 | Bifacial Passivation of Organic Hole Transport Interlayer for NiO<sub>x</sub>â€Based pâ€inâ€n Perovskite Solar Cells. Advanced Science, 2019, 6, 1802163. | 11.2 | 92 |
| 12 | Rapid and Cyclable Morphology Transition of High-Ï‡ Block Copolymers via Solvent Vapor-Immersion Annealing for Nanoscale Lithography. ACS Applied Nano Materials, 2019, 2, 1294-1301. | 5.0 | 11 |
| 13 | Synthesis of far-red- and near-infrared-emitting Cu-doped InP/ZnS (core/shell) quantum dots with controlled doping steps and their surface functionalization for bioconjugation. Nanoscale, 2019, 11, 10463-10471. | 5.6 | 38 |
| 14 | Facile in situ Synthesis of Agâ€Doped CdSe Supraâ€Quantum Dots and their Characterization. ChemPhysChem, 2019, 20, 1885-1889. | 2.1 | 5 |
| 15 | Highly luminescent and stable green-emitting In(Zn,Ga)P/ZnSeS/ZnS small-core/thick-multishell quantum dots. Journal of Luminescence, 2019, 205, 555-559. | 3.1 | 14 |
| 16 | Heterojunction Area-Controlled Inorganic Nanocrystal Solar Cells Fabricated Using Supra-Quantum Dots. ACS Applied Materials & Interfaces, 2018, 10, 43768-43773. | 8.0 | 5 |
| 17 | Preparation of Waterâ€Soluble CsPbBr<sub>3</sub> Perovskite Quantum Dot Nanocomposites via Encapsulation into Amphiphilic Copolymers. ChemistrySelect, 2018, 3, 11320-11325. | 1.5 | 16 |
| 18 | Preparing Effective Panchromatic Hybrid Sensitizers Composed of Inorganic Quantum Dots and Organic Dyes. Chemistry Letters, 2018, 47, 1354-1356. | 1.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | CuInS<sub>2</sub>/CdS-Heterostructured Nanotetrapods by Seeded Growth and Their Photovoltaic Properties. ACS Applied Nano Materials, 2018, 1, 2449-2454. | 5.0 | 20 |
| 20 | Fabrication of Visible-Light Sensitized ZnTe/ZnSe (Core/Shell) Type-II Quantum Dots. Journal of the Korean Ceramic Society, 2018, 55, 510-514. | 2.3 | 10 |
| 21 | Light-Induced Fluorescence Modulation of Quantum Dot-Crystal Violet Conjugates: Stochastic Offâ€“Onâ€“Off Cycles for Multicolor Patterning and Super-Resolution. Journal of the American Chemical Society, 2017, 139, 7603-7615. | 13.7 | 24 |
| 22 | Inverted planar perovskite solar cells with dopant free hole transporting material: Lewis base-assisted passivation and reduced charge recombination. Journal of Materials Chemistry A, 2017, 5, 13220-13227. | 10.3 | 96 |
| 23 | Temperature-Dependent Photoluminescence of Cesium Lead Halide Perovskite Quantum Dots: Splitting of the Photoluminescence Peaks of CsPbBr<sub>3</sub> and CsPb(Br/I)<sub>3</sub> Quantum Dots at Low Temperature. Journal of Physical Chemistry C, 2017, 121, 26054-26062. | 3.1 | 120 |
| 24 | Formation and Stepwise Self-Assembly of Cadmium Chalcogenide Nanocrystals to Colloidal Supra-Quantum Dots and the Superlattices. Chemistry of Materials, 2016, 28, 5329-5335. | 6.7 | 17 |
| 25 | Electrospun polymer/quantum dot composite fibers as down conversion phosphor layers for white light-emitting diodes. RSC Advances, 2014, 4, 11585. | 3.6 | 50 |
| 26 | Surface engineering of inorganic nanoparticles for imaging and therapy. Advanced Drug Delivery Reviews, 2013, 65, 622-648. | 13.7 | 305 |
| 27 | Strategy for Synthesizing Quantum Dot-Layered Double Hydroxide Nanocomposites and Their Enhanced Photoluminescence and Photostability. Langmuir, 2013, 29, 441-447. | 3.5 | 40 |
| 28 | Layer-by-Layer Quantum Dot Assemblies for the Enhanced Energy Transfers and Their Applications toward Efficient Solar Cells. Journal of Physical Chemistry Letters, 2012, 3, 3442-3447. | 4.6 | 36 |
| 29 | Photoswitchable quantum dots by controlling the photoinduced electron transfers. Chemical Communications, 2012, 48, 9174. | 4.1 | 20 |
| 30 | Multiplexed near-infrared in vivo imaging complementarily using quantum dots and upconverting NaYF4:Yb3+,Tm3+ nanoparticles. Chemical Communications, 2011, 47, 8022. | 4.1 | 43 |
| 31 | Unique Temperature Dependence and Blinking Behavior of CdTe/CdSe (Core/Shell) Type-II Quantum Dots. Journal of Physical Chemistry C, 2011, 115, 436-442. | 3.1 | 58 |
| 32 | Evidence for an Additional Metastatic Route: In Vivo Imaging of Cancer Cells in the Primo-Vascular System Around Tumors and Organs. Molecular Imaging and Biology, 2011, 13, 471-480. | 2.6 | 56 |
| 33 | In vivoimaging of cancer cells with electroporation of quantum dots and multispectral imaging. Journal of Applied Physics, 2010, 107, 124702. | 2.5 | 16 |
| 34 | Multilayered Semiconductor (CdS/CdSe/ZnS)-Sensitized TiO<sub>2</sub> Mesoporous Solar Cells: All Prepared by Successive Ionic Layer Adsorption and Reaction Processes. Chemistry of Materials, 2010, 22, 5636-5643. | 6.7 | 227 |
| 35 | ZnTe/ZnSe (Core/Shell) Type-II Quantum Dots: Their Optical and Photovoltaic Properties. Chemistry of Materials, 2010, 22, 233-240. | 6.7 | 173 |
| 36 | Spectral Switching of Type-II Quantum Dots by Charging. Journal of Physical Chemistry C, 2009, 113, 6320-6323. | 3.1 | 39 |