# Bowen Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6670601/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 46 papers | 4,874 citations | 218677 26 h-index | 254184 43 g-index |
| 46 all docs | 46 docs citations | 46 times ranked | 5575 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Reactive Oxygen Species (ROS)-Based Nanomedicine. Chemical Reviews, 2019, 119, 4881-4985. | 47.7 | 1,519 |
| 2 | Nanocatalytic Medicine. Advanced Materials, 2019, 31, e1901778. | 21.0 | 396 |
| 3 | 2Dâ€Blackâ€Phosphorusâ€Reinforced 3Dâ€Printed Scaffolds:A Stepwise Countermeasure for Osteosarcoma. Advanced Materials, 2018, 30, 1705611. | 21.0 | 284 |
| 4 | Highly Stretchable and Transparent Double-Network Hydrogel Ionic Conductors as Flexible Thermalâ€“Mechanical Dual Sensors and Electroluminescent Devices. ACS Applied Materials & Interfaces, 2019, 11, 16765-16775. | 8.0 | 246 |
| 5 | Exosome Biochemistry and Advanced Nanotechnology for Nextâ€Generation Theranostic Platforms. Advanced Materials, 2019, 31, e1802896. | 21.0 | 234 |
| 6 | A Metalâ€Organic Framework (MOF) Fenton Nanoagentâ€Enabled Nanocatalytic Cancer Therapy in Synergy with Autophagy Inhibition. Advanced Materials, 2020, 32, e1907152. | 21.0 | 220 |
| 7 | Low-temperature carbon-based electrodes in perovskite solar cells. Energy and Environmental Science, 2020, 13, 3880-3916. | 30.8 | 149 |
| 8 | An open-access database and analysis tool for perovskite solar cells based on the FAIR data principles. Nature Energy, 2022, 7, 107-115. | 39.5 | 136 |
| 9 | Material Chemistry of Two-Dimensional Inorganic Nanosheets in Cancer Theranostics. CheM, 2018, 4, 1284-1313. | 11.7 | 132 |
| 10 | Inorganic Nanoshell-Stabilized Liquid Metal for Targeted Photonanomedicine in NIR-II Biowindow. Nano Letters, 2019, 19, 2128-2137. | 9.1 | 127 |
| 11 | Polymeric room-temperature molten salt as a multifunctional additive toward highly efficient and stable inverted planar perovskite solar cells. Energy and Environmental Science, 2020, 13, 5068-5079. | 30.8 | 121 |
| 12 | Highly Stretchable, Adhesive, and Mechanical Zwitterionic Nanocomposite Hydrogel Biomimetic Skin. ACS Applied Materials & Interfaces, 2019, 11, 40620-40628. | 8.0 | 120 |
| 13 | Mesoporous silica/organosilica nanoparticles: Synthesis, biological effect and biomedical application. Materials Science and Engineering Reports, 2019, 137, 66-105. | 31.8 | 119 |
| 14 | Interfacial Passivation Engineering of Perovskite Solar Cells with Fill Factor over 82% and Outstanding Operational Stability on n-i-p Architecture. ACS Energy Letters, 2021, 6, 3916-3923. | 17.4 | 115 |
| 15 | Tumorâ€Specific Chemotherapy by Nanomedicineâ€Enabled Differential Stress Sensitization. Angewandte Chemie - International Edition, 2020, 59, 9693-9701. | 13.8 | 85 |
| 16 | Ascorbate Tumor Chemotherapy by An Iron-Engineered Nanomedicine-Catalyzed Tumor-Specific Pro-Oxidation. Journal of the American Chemical Society, 2020, 142, 21775-21785. | 13.7 | 80 |
| 17 | Augmenting Tumorâ€Starvation Therapy by Cancer Cell Autophagy Inhibition. Advanced Science, 2020, 7, 1902847. | 11.2 | 76 |
| 18 | Construction of a two-dimensional artificial antioxidase for nanocatalytic rheumatoid arthritis treatment. Nature Communications, 2022, 13, 1988. | 12.8 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Intratumoral synthesis of nano-metalchelate for tumor catalytic therapy by ligand field-enhanced coordination. Nature Communications, 2021, 12, 3393. | 12.8 | 57 |
| 20 | Surface Reconstruction Engineering with Synergistic Effect of Mixedâ€Salt Passivation Treatment toward Efficient and Stable Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2102902. | 14.9 | 57 |
| 21 | Enhancing Tumor Catalytic Therapy by Coâ€Catalysis. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 51 |
| 22 | Exogenous/Endogenousâ€Triggered Mesoporous Silica Cancer Nanomedicine. Advanced Healthcare Materials, 2018, 7, e1800268. | 7.6 | 48 |
| 23 | Outstanding Passivation Effect by a Mixed-Salt Interlayer with Internal Interactions in Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 3159-3167. | 17.4 | 47 |
| 24 | In Situ Synthesis of Natural Antioxidase Mimics for Catalytic Anti-Inflammatory Treatments: Rheumatoid Arthritis as an Example. Journal of the American Chemical Society, 2022, 144, 314-330. | 13.7 | 46 |
| 25 | Developing New Cancer Nanomedicines by Repurposing Old Drugs. Angewandte Chemie - International Edition, 2020, 59, 21829-21838. | 13.8 | 38 |
| 26 | Inhibiting metal-inward diffusion-induced degradation through strong chemical coordination toward stable and efficient inverted perovskite solar cells. Energy and Environmental Science, 2022, 15, 2154-2163. | 30.8 | 30 |
| 27 | Revealing the Mechanism of Doping of spiro-MeOTAD via Zn Complexation in the Absence of Oxygen and Light. ACS Energy Letters, 2020, 5, 1271-1277. | 17.4 | 29 |
| 28 | Perovskite Solar Cells with Carbonâ€Based Electrodes â€“ Quantification of Losses and Strategies to Overcome Them. Advanced Energy Materials, 2022, 12, . | 19.5 | 29 |
| 29 | Methylammonium Triiodide for Defect Engineering of High-Efficiency Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 3650-3660. | 17.4 | 28 |
| 30 | â€œStepwise Extractionâ€•strategy-based injectable bioresponsive composite implant for cancer theranostics. Biomaterials, 2018, 166, 38-51. | 11.4 | 26 |
| 31 | Chemistry of Advanced Nanomedicines in Cancer Cell Metabolism Regulation. Advanced Science, 2020, 7, 2001388. | 11.2 | 20 |
| 32 | Defect Engineering of Mesoporous Silica Nanoparticles for Biomedical Applications. Accounts of Materials Research, 2021, 2, 581-593. | 11.7 | 20 |
| 33 | Zinc Phthalocyanine Conjugated Dimers as Efficient Dopantâ€Free Hole Transporting Materials in Perovskite Solar Cells. ChemPhotoChem, 2020, 4, 307-314. | 3.0 | 19 |
| 34 | Reevaluation of Photoluminescence Intensity as an Indicator of Efficiency in Perovskite Solar Cells. Solar Rrl, 2022, 6, . | 5.8 | 19 |
| 35 | Nanomedicine-Leveraged Intratumoral Coordination and Redox Reactions of Dopamine for Tumor-Specific Chemotherapy. CCS Chemistry, 2022, 4, 1499-1509. | 7.8 | 16 |
| 36 | Tumorâ€Specific Chemotherapy by Nanomedicineâ€Enabled Differential Stress Sensitization. Angewandte Chemie, 2020, 132, 9780-9788. | 2.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Passivation Strategies through Surface Reconstruction toward Highly Efficient and Stable Perovskite Solar Cells on n-i-p Architecture. Energies, 2021, 14, 4836. | 3.1 | 13 |
| 38 | Enhancing Tumor Catalytic Therapy by Coâ€Catalysis. Angewandte Chemie, 2022, 134, . | 2.0 | 11 |
| 39 | Nanomedicine-Augmented Cancer-Localized Treatment by 3D Theranostic Implants. Journal of Biomedical Nanotechnology, 2017, 13, 871-890. | 1.1 | 10 |
| 40 | Hysteresisâ€Free Planar Perovskite Solar Module with 19.1% Efficiency by Interfacial Defects Passivation. Solar Rrl, 2022, 6, . | 5.8 | 9 |
| 41 | When photoluminescence, electroluminescence, and open-circuit voltage diverge â€“ light soaking and halide segregation in perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 13967-13978. | 10.3 | 8 |
| 42 | Interfacial versus Bulk Properties of Hole-Transporting Materials for Perovskite Solar Cells: Isomeric Triphenylamine-Based Enamines versus Spiro-OMeTAD. ACS Applied Materials & Interfaces, 2021, 13, 21320-21330. | 8.0 | 8 |
| 43 | Molecularly Engineered Low-Cost Organic Hole-Transporting Materials for Perovskite Solar Cells: The Substituent Effect on Non-fused Three-Dimensional Systems. ACS Applied Energy Materials, 2022, 5, 3156-3165. | 5.1 | 2 |
| 44 | Interfacial Defects Passivation of High Efficiency Perovskite Solar Modules. , 0, , . | | 1 |
| 45 | Interfacial Passivation Treatment towards High-efficiency and Operational Stable Perovskite Solar Cells. , 0, , . | | 1 |
| 46 | Developing New Cancer Nanomedicines by Repurposing Old Drugs. Angewandte Chemie, 2020, 132, 22013-22022. | 2.0 | 0 |