# Weijia Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 48 papers | 1,760 citations | 201674 27 h-index | 276875 41 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 2695 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 3D hierarchical CoWO4/Co3O4 nanowire arrays for asymmetric supercapacitors with high energy density. Chemical Engineering Journal, 2018, 347, 291-300. | 12.7 | 181 |
| 2 | Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO4/Co3O4 nanocone arrays. Journal of Power Sources, 2019, 418, 202-210. | 7.8 | 121 |
| 3 | Highly dispersed PtO nanodots as efficient co-catalyst for photocatalytic hydrogen evolution. Applied Surface Science, 2018, 462, 423-431. | 6.1 | 103 |
| 4 | Effect of Alcohol Treatment on the Performance of PTB7:PC<sub>71</sub>BM Bulk Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 4641-4649. | 8.0 | 100 |
| 5 | Hydrothermally Induced Oxygen Doping of Graphitic Carbon Nitride with a Highly Ordered Architecture and Enhanced Photocatalytic Activity. ChemSusChem, 2018, 11, 700-708. | 6.8 | 96 |
| 6 | Effect of electric field on the structure and piezoelectric properties of poly(vinylidene fluoride) studied by density functional theory. Polymer, 2010, 51, 3575-3581. | 3.8 | 56 |
| 7 | In situ growth of boron doped g-C3N4 on carbon fiber cloth as a recycled flexible film-photocatalyst. Ceramics International, 2021, 47, 1258-1267. | 4.8 | 56 |
| 8 | In operando morphology investigation of inverted bulk heterojunction organic solar cells by GISAXS. Journal of Materials Chemistry A, 2015, 3, 8324-8331. | 10.3 | 54 |
| 9 | In situ synthesis of 3D Co@Co3O4 nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. Journal of Alloys and Compounds, 2020, 826, 154115. | 5.5 | 54 |
| 10 | Spray Deposition of Titania Films with Incorporated Crystalline Nanoparticles for Allâ€Solidâ€State Dyeâ€Sensitized Solar Cells Using P3HT. Advanced Functional Materials, 2016, 26, 1498-1506. | 14.9 | 53 |
| 11 | Facile metal-organic frameworks-templated fabrication of hollow indium oxide microstructures for chlorine detection at low temperature. Journal of Hazardous Materials, 2020, 387, 122017. | 12.4 | 52 |
| 12 | Investigation of morphological degradation of P3HT:PCBM bulk heterojunction films exposed to long-term host solvent vapor. Journal of Materials Chemistry A, 2016, 4, 3743-3753. | 10.3 | 51 |
| 13 | Solventâ€“Morphologyâ€“Property Relationship of PTB7:PC<sub>71</sub>BM Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 3740-3748. | 8.0 | 50 |
| 14 | A Simple Absorbent Cotton Biotemplate to Fabricate SnO<sub>2</sub> Porous Microtubules and Their Gas-Sensing Properties for Chlorine. ACS Sustainable Chemistry and Engineering, 2019, 7, 147-155. | 6.7 | 42 |
| 15 | First Step into Space: Performance and Morphological Evolution of P3HT:PCBM Bulk Heterojunction Solar Cells under AM0 Illumination. ACS Applied Materials & Interfaces, 2014, 6, 17902-17910. | 8.0 | 38 |
| 16 | A Low Temperature Route toward Hierarchically Structured Titania Films for Thin Hybrid Solar Cells. Advanced Functional Materials, 2016, 26, 7084-7093. | 14.9 | 38 |
| 17 | Influence of Solvent Additive 1,8â€Octanedithiol on P3HT:PCBM Solar Cells. Advanced Functional Materials, 2018, 28, 1800209. | 14.9 | 38 |
| 18 | Hydrogel-supported graphitic carbon nitride nanosheets loaded with Pt atoms as a novel self-water-storage photocatalyst for H<sub>2</sub> evolution. Journal of Materials Chemistry A, 2020, 8, 23812-23819. | 10.3 | 38 |

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|---|---|---|---|
| 19 | In situ study of spray deposited titania photoanodes for scalable fabrication of solid-state dye-sensitized solar cells. Nano Energy, 2017, 40, 317-326. | 16.0 | 35 |
| 20 | Tailoring chemical structures and intermolecular interactions of melem intermediates for highly efficient photocatalytic hydrogen evolution of g-C3N4. Applied Surface Science, 2021, 563, 150384. | 6.1 | 34 |
| 21 | Effect of Methanol Addition on the Resistivity and Morphology of PEDOT:PSS Layers on Top of Carbon Nanotubes for Use as Flexible Electrodes. ACS Applied Materials & Interfaces, 2015, 7, 8789-8797. | 8.0 | 33 |
| 22 | Enhanced Adsorption of Methylene Blue Triggered by the Phase Transition of Thermoresponsive Polymers in Hybrid Interpenetrating Polymer Network Hydrogels. ACS Applied Polymer Materials, 2020, 2, 3674-3684. | 4.4 | 33 |
| 23 | [(Bi0.50Na0.40K0.10)0.94Ba0.06]1-xLaxTi0.975Ta0.025O3 lead-free relaxor ceramics with high energy storage density and thermally stable dielectric properties. Journal of Materials Science, 2020, 55, 14728-14739. | 3.7 | 33 |
| 24 | A Codoped Polymeric Photocatalyst with Prolonged Carrier Lifetime and Extended Spectral Response up to 600 nm for Enhanced Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 5234-5243. | 8.0 | 31 |
| 25 | Compositionâ€“Morphology Correlation in PTB7-Th/PC<sub>71</sub>BM Blend Films for Organic Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 3125-3135. | 8.0 | 30 |
| 26 | Wearable Bracelet Monitoring the Solar Ultraviolet Radiation for Skin Health Based on Hybrid IPN Hydrogels. ACS Applied Materials & Interfaces, 2020, 12, 56480-56490. | 8.0 | 29 |
| 27 | Customâ€Made Morphologies of ZnO Nanostructured Films Templated by a Poly(styreneâ€blockâ€ethylene) Tj ETQq1 1 0.784314 rg | 6.8 | 28 |
| 28 | Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. ACS Applied Materials & Interfaces, 2020, 12, 17659-17668. | 8.0 | 27 |
| 29 | Development of the Morphology during Functional Stack Build-up of P3HT:PCBM Bulk Heterojunction Solar Cells with Inverted Geometry. ACS Applied Materials & Interfaces, 2015, 7, 602-610. | 8.0 | 25 |
| 30 | In Situ Study of Degradation in P3HTâ€“Titania-Based Solid-State Dye-Sensitized Solar Cells. ACS Energy Letters, 2017, 2, 991-997. | 17.4 | 23 |
| 31 | Comparative study of the nanomorphology of spray and spin coated PTB7 polymer: Fullerene films. Polymer Engineering and Science, 2016, 56, 889-894. | 3.1 | 22 |
| 32 | Ordered and Ultralong Graphitic Carbon Nitride Nanotubes Obtained via In-Air CVD for Enhanced Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2021, 4, 13263-13271. | 5.1 | 22 |
| 33 | Graphitic carbon nitride nanosheets prepared by gaseous molecules assembling for enhanced photocatalytic performance. Journal of Materials Science, 2019, 54, 1462-1474. | 3.7 | 20 |
| 34 | High strain and high energy density of lead-free (Bi0.50Na0.40K0.10)0.94Ba0.06Ti(1â^'x)(Al0.50Ta0.50)xO3 perovskite ceramics. Journal of Materials Science, 2020, 55, 11137-11150. | 3.7 | 19 |
| 35 | A hydrogen evolution system based on hybrid nanogel films with capabilities of spontaneous moisture collection and high light harvesting. Green Chemistry, 2021, 23, 8969-8978. | 9.0 | 13 |
| 36 | Sorption of Water and Initial Stages of Swelling of Thin PNIPAM Films Using in Situ GISAXS Microfluidics. Langmuir, 2015, 31, 9619-9627. | 3.5 | 11 |

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|---|---|---|---|
| 37 | Structures and Piezoelectric Properties of Substituted Î² PVDF-Based Polymers Studied by Density Functional Theory. Ferroelectrics, 2010, 409, 41-44. | 0.6 | 10 |
| 38 | Sodium inâ€…situ Intercalated Ultrathin Îˆâ€MnO<sub>2</sub> Flakes Electrode with Enhanced Intercalation Capacitive Performance for Asymmetric Supercapacitors. ChemistrySelect, 2020, 5, 869-874. | 1.5 | 9 |
| 39 | Influence of Eu3+-doped BaTiO3 phosphors on structural, optical and photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 12253-12264. | 2.2 | 8 |
| 40 | Growth and Degradation Kinetics of Organicâ€“Inorganic Hybrid Perovskite Films Determined by In Situ Grazingâ€Incidence Xâ€Ray Scattering Techniques. Small Methods, 2021, 5, e2100829. | 8.6 | 8 |
| 41 | Aging of low-temperature derived highly flexible nanostructured TiO<sub>2</sub>/P3HT hybrid films during bending. Journal of Materials Chemistry A, 2019, 7, 10805-10814. | 10.3 | 7 |
| 42 | Simultaneous and Efficient Removal of Oleophilic and Hydrophilic Stains from Polyurethane by the Combination of Easy-Cleaning and Self-Cleaning. ACS Applied Materials & Interfaces, 2022, 14, 16641-16648. | 8.0 | 7 |
| 43 | Wet Imprinting of Channelâ€Type Superstructures in Nanostructured Titania Thin Films at Low Temperatures for Hybrid Solar Cells. ChemSusChem, 2018, 11, 1179-1186. | 6.8 | 6 |
| 44 | Structure evolutions with enhanced dielectric permittivity and ferroelectric properties of Ba(1â^'x)(La,) Tj ETQq0 0 0 rgBT /Overlock 10 T | 2.2 | 6 |
| 45 | A graphitic carbon nitride metal-free visible light photocatalyst with controllable carbon self-doping towards efficient hydrogen evolution. Sustainable Energy and Fuels, 2021, 5, 5227-5235. | 4.9 | 5 |
| 46 | 1D-2D Ag nanowire/g-C3N4 hybrid obtained via a post-mechanical-mixing route for photocatalytic Rhodamine B degradation. Research on Chemical Intermediates, 2020, 46, 4673-4684. | 2.7 | 3 |
| 47 | Organic Photovoltaics: Influence of Solvent Additive 1,8-Octanedithiol on P3HT:PCBM Solar Cells (Adv. Funct. Mater. 20/2018). Advanced Functional Materials, 2018, 28, 1870130. | 14.9 | 2 |
| 48 | Structural control of plate-like NaNbO3 via topochemical synthesis. , 2021, , . | | 0 |