

Weijia Wang

List of Publications by Year in descending order

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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	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
2	In situ growth of boron doped g-C ₃ N ₄ on carbon fiber cloth as a recycled flexible film-photocatalyst. Ceramics International, 2021, 47, 1258-1267.	4.8	56
3	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
4	Influence of Eu ³⁺ -doped BaTiO ₃ phosphors on structural, optical and photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2021, 32, 12253-12264.	2.2	8
5	Structural control of plate-like NaNbO ₃ via topochemical synthesis. , 2021, , .		0
6	Structure evolutions with enhanced dielectric permittivity and ferroelectric properties of Ba(1-x)(La, Tj)ETQq0 0 0 rrgBT /Overlock 10 T	2.2	6
7	Tailoring chemical structures and intermolecular interactions of melem intermediates for highly efficient photocatalytic hydrogen evolution of g-C ₃ N ₄ . Applied Surface Science, 2021, 563, 150384.	6.1	34
8	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
9	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
10	Growth and Degradation Kinetics of Organic-Inorganic Hybrid Perovskite Films Determined by In Situ Grazing-Incidence X-Ray Scattering Techniques. Small Methods, 2021, 5, e2100829.	8.6	8
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	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
13	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
14	[(Bi _{0.50} Na _{0.40} K _{0.10}) _{0.94} Ba _{0.06}] _{1-x} LaxTi _{0.975} Ta _{0.025} O ₃ 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
15	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
16	1D-2D Ag nanowire/g-C ₃ N ₄ hybrid obtained via a post-mechanical-mixing route for photocatalytic Rhodamine B degradation. Research on Chemical Intermediates, 2020, 46, 4673-4684.	2.7	3
17	Hydrogel-supported graphitic carbon nitride nanosheets loaded with Pt atoms as a novel self-water-storage photocatalyst for H ₂ evolution. Journal of Materials Chemistry A, 2020, 8, 23812-23819.	10.3	38
18	High strain and high energy density of lead-free (Bi _{0.50} Na _{0.40} K _{0.10}) _{0.94} Ba _{0.06} Ti(1-x)(Al _{0.50} Ta _{0.50})xO ₃ perovskite ceramics. Journal of Materials Science, 2020, 55, 11137-11150.	3.7	19

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19	Preaddition of Cations to Electrolytes for Aqueous 2.2 V High Voltage Hybrid Supercapacitor with Superlong Cycling Life and Its Energy Storage Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17659-17668.	8.0	27
20	Sodium in situ Intercalated Ultrathin MnO ₂ Flakes Electrode with Enhanced Intercalation Capacitive Performance for Asymmetric Supercapacitors. <i>ChemistrySelect</i> , 2020, 5, 869-874.	1.5	9
21	In situ synthesis of 3D Co@Co ₃ O ₄ nanosheet arrays for hybrid supercapacitors with ultra-high rate performance. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154115.	5.5	54
22	Aging of low-temperature derived highly flexible nanostructured TiO ₂ /P3HT hybrid films during bending. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10805-10814.	10.3	7
23	Study of pseudocapacitive contribution to superior energy storage of 3D heterostructure CoWO ₄ /Co ₃ O ₄ nanocone arrays. <i>Journal of Power Sources</i> , 2019, 418, 202-210.	7.8	121
24	Composition-Morphology Correlation in PTB7-Th/PC ₇₁ BM Blend Films for Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3125-3135.	8.0	30
25	Graphitic carbon nitride nanosheets prepared by gaseous molecules assembling for enhanced photocatalytic performance. <i>Journal of Materials Science</i> , 2019, 54, 1462-1474.	3.7	20
26	A Simple Absorbent Cotton Biotemplate to Fabricate SnO ₂ Porous Microtubules and Their Gas-Sensing Properties for Chlorine. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 147-155.	6.7	42
27	3D hierarchical CoWO ₄ /Co ₃ O ₄ nanowire arrays for asymmetric supercapacitors with high energy density. <i>Chemical Engineering Journal</i> , 2018, 347, 291-300.	12.7	181
28	Wet Imprinting of Channel-Type Superstructures in Nanostructured Titania Thin Films at Low Temperatures for Hybrid Solar Cells. <i>ChemSusChem</i> , 2018, 11, 1179-1186.	6.8	6
29	Hydrothermally Induced Oxygen Doping of Graphitic Carbon Nitride with a Highly Ordered Architecture and Enhanced Photocatalytic Activity. <i>ChemSusChem</i> , 2018, 11, 700-708.	6.8	96
30	Influence of Solvent Additive 1,8-Octanedithiol on P3HT:PCBM Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1800209.	14.9	38
31	Organic Photovoltaics: Influence of Solvent Additive 1,8-Octanedithiol on P3HT:PCBM Solar Cells (<i>Adv. Funct. Mater.</i> 20/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870130.	14.9	2
32	Highly dispersed PtO nanodots as efficient co-catalyst for photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018, 462, 423-431.	6.1	103
33	Solvent-Morphology-Property Relationship of PTB7:PC ₇₁ BM Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3740-3748.	8.0	50
34	In Situ Study of Degradation in P3HT-Titania-Based Solid-State Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 991-997.	17.4	23
35	In situ study of spray deposited titania photoanodes for scalable fabrication of solid-state dye-sensitized solar cells. <i>Nano Energy</i> , 2017, 40, 317-326.	16.0	35
36	Comparative study of the nanomorphology of spray and spin coated PTB7 polymer: Fullerene films. <i>Polymer Engineering and Science</i> , 2016, 56, 889-894.	3.1	22

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37	A Low Temperature Route toward Hierarchically Structured Titania Films for Thin Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 7084-7093.	14.9	38
38	Spray Deposition of Titania Films with Incorporated Crystalline Nanoparticles for All-Solid-State Dye-Sensitized Solar Cells Using P3HT. <i>Advanced Functional Materials</i> , 2016, 26, 1498-1506.	14.9	53
39	Investigation of morphological degradation of P3HT:PCBM bulk heterojunction films exposed to long-term host solvent vapor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3743-3753.	10.3	51
40	Effect of Alcohol Treatment on the Performance of PTB7:PCBM Bulk Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4641-4649.	8.0	100
41	In operando morphology investigation of inverted bulk heterojunction organic solar cells by GISAXS. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8324-8331.	10.3	54
42	Effect of Methanol Addition on the Resistivity and Morphology of PEDOT:PSS Layers on Top of Carbon Nanotubes for Use as Flexible Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8789-8797.	8.0	33
43	Sorption of Water and Initial Stages of Swelling of Thin PNIPAM Films Using in Situ GISAXS Microfluidics. <i>Langmuir</i> , 2015, 31, 9619-9627.	3.5	11
44	Development of the Morphology during Functional Stack Build-up of P3HT:PCBM Bulk Heterojunction Solar Cells with Inverted Geometry. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 602-610.	8.0	25
45	First Step into Space: Performance and Morphological Evolution of P3HT:PCBM Bulk Heterojunction Solar Cells under AM0 Illumination. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17902-17910.	8.0	38
46	Custom-Made Morphologies of ZnO Nanostructured Films Templated by a Poly(styrene- <i>b</i> -ethylene) Tj ETQc0 0 0 rgBT /Overlo	6.8	28
47	Effect of electric field on the structure and piezoelectric properties of poly(vinylidene fluoride) studied by density functional theory. <i>Polymer</i> , 2010, 51, 3575-3581.	3.8	56
48	Structures and Piezoelectric Properties of Substituted $\hat{1}^2$ PVDF-Based Polymers Studied by Density Functional Theory. <i>Ferroelectrics</i> , 2010, 409, 41-44.	0.6	10