

Yaoming Wang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,537
citations

304743

22
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

3068
citing authors

#	ARTICLE	IF	CITATIONS
1	Scotch-tape-like exfoliation of graphite assisted with elemental sulfur and graphene-sulfur composites for high-performance lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2013, 6, 1283.	30.8	246
2	Phase-Controlled Synthesis of Cobalt Sulfides for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4246-4250.	8.0	165
3	Structure-dependent photocatalytic activities of MWO ₄ (M=Ca, Sr, Ba). <i>Journal of Molecular Catalysis A</i> , 2009, 302, 54-58.	4.8	103
4	A General Preparation Strategy for Hybrid TiO ₂ Hierarchical Spheres and Their Enhanced Solar Energy Utilization Efficiency. <i>Advanced Materials</i> , 2010, 22, 3719-3722.	21.0	103
5	Photocatalytic activities of M ₂ Sb ₂ O ₇ (M=Ca, Sr) for degrading methyl orange. <i>Applied Catalysis A: General</i> , 2006, 313, 218-223.	4.3	94
6	Enhanced Performance of Perovskite CH ₃ NH ₃ PbI ₃ Solar Cell by Using CH ₃ NH ₃ I as Additive in Sequential Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12937-12942.	8.0	80
7	Excellent red phosphors of double perovskite Ca ₂ LaMO ₆ :Eu (M=Sb, Nb, Ta) with distorted coordination environment. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3324-3328.	2.9	78
8	Organic-inorganic halide perovskite based solar cells - revolutionary progress in photovoltaics. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 315-335.	6.0	70
9	Cr incorporation in Cu ₂ GaS ₂ chalcopyrite: A new intermediate-band photovoltaic material with wide-spectrum solar absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1098-1102.	1.8	65
10	One-Step High-Temperature Solvothermal Synthesis of TiO ₂ /Sulfide Nanocomposite Spheres and Their Solar Visible-Light Applications. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 306-311.	8.0	60
11	Novel red phosphor of double perovskite compound La ₂ MgTiO ₆ :xEu ³⁺ . <i>Journal of Luminescence</i> , 2012, 132, 1701-1704.	3.1	57
12	Synthesis, Crystal Structure, and Photoelectric Properties of a New Layered Bismuth Oxysulfide. <i>Inorganic Chemistry</i> , 2015, 54, 5768-5773.	4.0	49
13	Broadband antireflection TiO ₂ /SiO ₂ stack coatings with refractive-index-grade structure and their applications to Cu(In,Ga)Se ₂ solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 505-512.	6.2	46
14	Highly Surface-Textured ZnO:Al Films Fabricated by Controlling the Nucleation and Growth Separately for Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2147-2152.	8.0	41
15	Photocatalytic activity of a sillenite-type material Bi ₂₅ GaO ₃₉ . <i>Catalysis Communications</i> , 2008, 9, 572-576.	3.3	34
16	Biomolecule-Assisted Route to Prepare Titania Mesoporous Hollow Structures. <i>Chemistry - A European Journal</i> , 2011, 17, 11535-11541.	3.3	34
17	Effect of structural packing on the luminescence properties in tungsten bronze compounds M ₂ KNb ₅ O ₁₅ (M=Ca, Sr, Ba). <i>Journal of Solid State Chemistry</i> , 2012, 192, 182-185.	2.9	29
18	New facile synthesis of TiO ₂ hollow sphere with an opening hole and its enhanced rate performance in lithium-ion batteries. <i>New Journal of Chemistry</i> , 2013, 37, 784.	2.8	29

#	ARTICLE	IF	CITATIONS
19	Hydrogen flame synthesis of few-layer graphene from a solid carbon source on hexagonal boron nitride. <i>Journal of Materials Chemistry</i> , 2012, 22, 2859.	6.7	27
20	Red-Emitting $\text{Ca}_9\text{Al}(\text{PO}_4)_7\text{:Ce}^{3+}, \text{Mn}^{2+}$ Phosphor with Energy Transfer Prepared by Solid State Reaction. <i>ECS Journal of Solid State Science and Technology</i> , 2012, 1, R57-R61.	1.8	23
21	CuSbSe_2 -assisted sintering of CuInSe_2 at low temperature. <i>Journal of Materials Science</i> , 2012, 47, 7085-7089.	3.7	23
22	A modified two-step sequential deposition method for preparing perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ solar cells. <i>RSC Advances</i> , 2016, 6, 42377-42381.	3.6	22
23	A facile molecular precursor-based $\text{Cu}(\text{In,Ga})(\text{S,Se})_2$ solar cell with 8.6% efficiency. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13237.	10.3	21
24	Efficiency Enhancement of $\text{Cu}(\text{In,Ga})\text{Se}_2$ Solar Cells by Applying SiO_2 "PEG/PVP Antireflection Coatings. <i>Journal of Materials Science and Technology</i> , 2015, 31, 229-234.	10.7	16
25	Quasi-linear dependence of cation filling on the photocatalysis of A_xBO_3 -based tunnel compounds. <i>Dalton Transactions</i> , 2011, 40, 6906.	3.3	15
26	The intrinsically red luminescence of tungsten bronze compound $\text{Eu}_2\text{Nb}_5\text{O}_{15}$ for light emitting diodes. <i>Materials Letters</i> , 2012, 88, 119-121.	2.6	5