

# Changmin Hou

## List of Publications by Year in descending order

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59  
papers

1,568  
citations

279798

23  
h-index

315739

38  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moisture-stimulated reversible thermochromic CsPbI <sub>3-x</sub> Br <sub>x</sub> films: In-situ spectroscopic-resolved structure and optical properties. <i>Applied Surface Science</i> , 2022, 573, 151484.	6.1	6
2	Boosting photocatalytic hydrogen evolution: Orbital redistribution of ultrathin ZnIn <sub>2</sub> S <sub>4</sub> nanosheets via atomic defects. <i>Applied Catalysis B: Environmental</i> , 2022, 305, 121007.	20.2	61
3	Ni, In co-doped ZnIn <sub>2</sub> S <sub>4</sub> for efficient hydrogen evolution: Modulating charge flow and balancing H adsorption/desorption. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121337.	20.2	55
4	Partial sulfidation for constructing Cu <sub>2</sub> O@CuS heterostructures realizing enhanced electrochemical glucose sensing. <i>New Journal of Chemistry</i> , 2021, 45, 7204-7209.	2.8	11
5	Stable Bimetallene Hydride Boosts Anodic CO Tolerance of Fuel Cells. <i>ACS Energy Letters</i> , 2021, 6, 1912-1919.	17.4	48
6	In-Situ thermochromic mechanism of Spin-Coated VO <sub>2</sub> film. <i>Applied Surface Science</i> , 2021, 564, 150441.	6.1	8
7	Rapid large-scale synthesis of ultrathin NiFe-layered double hydroxide nanosheets with tunable structures as robust oxygen evolution electrocatalysts. <i>RSC Advances</i> , 2021, 11, 37624-37630.	3.6	7
8	Oxygen vacancies enhancing acetone-sensing performance. <i>Materials Today Chemistry</i> , 2020, 18, 100372.	3.5	7
9	Reversible thermochromic property of Cr, Mn, Fe, Co-doped Ca <sub>14</sub> Zn <sub>6</sub> Ga <sub>10</sub> O <sub>35</sub> . <i>Journal of Materials Chemistry C</i> , 2020, 8, 9615-9624.	5.5	11
10	Carbon inserted defect-rich MoS <sub>2</sub> @X nanosheets@CdS nanospheres for efficient photocatalytic hydrogen evolution under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 89-100.	9.4	34
11	Cu Nanoparticles Embedded in N-Doped Carbon Materials for Oxygen Reduction Reaction. <i>Chinese Journal of Chemistry</i> , 2020, 38, 941-946.	4.9	42
12	Promotion of the water oxidation activity of iridium oxide by a nitrogen coordination strategy. <i>Chemical Communications</i> , 2020, 56, 14909-14912.	4.1	2
13	Rapid room-temperature fabrication of ultrathin Ni(OH) <sub>2</sub> nanoflakes with abundant edge sites for efficient urea oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118020.	20.2	108
14	Commercial-Level Energy Storage via Free-Standing Stacking Electrodes. <i>Matter</i> , 2019, 1, 1694-1709.	10.0	19
15	Charge transfer-induced O p-band center shift for an enhanced OER performance in LaCoO <sub>3</sub> film. <i>CrystEngComm</i> , 2019, 21, 1534-1538.	2.6	17
16	Catalysis of Oxygen Reduction Reaction on Atomically Dispersed Copper- and Nitrogen-Codoped Graphene. <i>ACS Applied Energy Materials</i> , 2019, 2, 4755-4762.	5.1	33
17	A facile one-step synthesis of porous N-doped carbon from MOF for efficient thermal energy storage capacity of shape-stabilized phase change materials. <i>Materials Today Energy</i> , 2019, 12, 239-249.	4.7	51
18	Ultrathin nickel hydroxide nanosheets with a porous structure for efficient electrocatalytic urea oxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26364-26370.	10.3	62

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19	High-performance Fe-Co-Sn oxide electrocatalysts for oxygen evolution reaction. <i>Materials Today Energy</i> , 2019, 14, 100364.	4.7	7
20	Oxygen vacancies confined in ultrathin nickel oxide nanosheets for enhanced electrocatalytic methanol oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 1096-1102.	20.2	180
21	Iridium-Triggered Phase Transition of MoS <sub>2</sub> Nanosheets Boosts Overall Water Splitting in Alkaline Media. <i>ACS Energy Letters</i> , 2019, 4, 368-374.	17.4	105
22	Design Principles for 3d Electron Transfer in a Ga-Based Garnet To Enable High-Performance Reversible Thermochromic Material Color Maps. <i>Chemistry of Materials</i> , 2019, 31, 1048-1056.	6.7	15
23	Thermal stable blue pigment with tunable color of DyIn <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.1). <i>Dyes and Pigments</i> , 2018, 156, 192-198.	3.7	4
24	Design and synthesis of metal hydroxide three-dimensional inorganic cationic frameworks. <i>Dalton Transactions</i> , 2018, 47, 3339-3345.	3.3	1
25	Hydrothermal synthesis and magnetic properties of SmCr <sub>0.5</sub> M <sub>0.5</sub> O <sub>3</sub> (M=Fe and Mn) micro-plates. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 1-7.	2.6	7
26	In-situ optical and structural insight of reversible thermochromic materials of Sm <sub>3-x</sub> BixFe <sub>5</sub> O <sub>12</sub> (x= 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9). <i>Journal of Materials Chemistry C</i> , 2017, 5, 10784-10791.	3.7	25
27	A facile and green synthesis of MIL-100(Fe) with high-yield and its catalytic performance. <i>New Journal of Chemistry</i> , 2017, 41, 13504-13509.	2.8	63
28	Size-dependent optical and thermochromic properties of Sm <sub>3-x</sub> Fe <sub>5</sub> O <sub>12</sub> . <i>RSC Advances</i> , 2017, 7, 37765-37770.	3.6	17
29	Nd <sub>3-x</sub> Al <sub>x</sub> Fe <sub>5</sub> O <sub>12</sub> : Hydrothermal synthesis, structure and magnetic properties. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 869-875.	2.6	5
30	Iron-containing MIL-101(Cr) as highly active and stable heterogeneous catalysts for the benzylation of aromatics with benzyl chloride. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 345-357.	1.7	5
31	Crystal Shape Tailoring in Perovskite Structure Rare-Earth Ferrites REFeO <sub>3</sub> (RE = La, Pr, Sm). <i>Journal of Materials Chemistry C</i> , 2016, 4, 10784-10791.	3.0	46
32	Programmable Structure Control in Cigarlike TiO <sub>2</sub> Nanofibers and UV-Light Photocatalysis Performance of Resultant Fabrics. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 8292-8298.	3.7	5
33	Improved energy conversion efficiency of ZnO/polythiophene solar cell in Ga-doped ZnO nanorod array photoanode. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 979-984.	2.6	0
34	Structure, optical spectroscopy properties and thermochromism of Sm <sub>3-x</sub> Fe <sub>5</sub> O <sub>12</sub> garnets. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10529-10537.	5.5	32
35	Physicochemical Characterization and Evaluation of a Microemulsion System for Gamma-Linolenic Acid Methyl Ester. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 725-729.	0.6	0
36	TiO <sub>2</sub> Nanoflakes as Anode Material for Lithium Ion Batteries. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1480-1484.	0.6	3

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37	Preparation, characterization and electrical properties of Ca and Sr doped LaCrO <sub>3</sub> . Inorganic Chemistry Communication, 2016, 66, 33-35.	3.9	30
38	Porous carbon-coated cobalt sulfide nanocomposites derived from metal organic frameworks (MOFs) as an advanced oxygen reduction electrocatalyst. New Journal of Chemistry, 2016, 40, 1679-1684.	2.8	43
39	Fabrication of TiO <sub>2</sub> /WO <sub>3</sub> Composite Nanofibers by Electrospinning and Photocatalytic Performance of the Resultant Fabrics. Industrial & Engineering Chemistry Research, 2016, 55, 80-85.	3.7	33
40	Study of the Fabrication and Characterization of Porous Ni Using Polystyrene Sphere Template. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 286-290.	0.6	2
41	Capacitive Behavior of Single Gallium Oxide Nanobelt. Materials, 2015, 8, 5313-5320.	2.9	5
42	Preparation of TiO <sub>2</sub> nanoflakes and their influence on lithium ion battery storage performance. Chemical Research in Chinese Universities, 2015, 31, 332-336.	2.6	2
43	Preparation and Photocatalytic Property of Nickel-Doped Titanium Dioxide Nanotubes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1576-1579.	0.6	5
44	Preparation and Characterization of Single-Crystal Silica Nanotubes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 770-772.	0.6	2
45	One-step preparation of N-doped graphene/Co nanocomposite as an advanced oxygen reduction electrocatalyst. Electrochimica Acta, 2015, 176, 280-284.	5.2	33
46	Fabrication of TiO <sub>2</sub> hollow nanocrystals through the nanoscale Kirkendall effect for lithium-ion batteries and photocatalysis. New Journal of Chemistry, 2015, 39, 3145-3149.	2.8	18
47	Low temperature hydrothermal synthesis, structure and magnetic properties of RECrO <sub>3</sub> (RE = La, Pr, Nd, Sm). Dalton Transactions, 2015, 44, 17201-17208.	3.3	42
48	Electrophysiological measurement at Erbium's point during the early stage of Guillain-Barré syndrome. Journal of Clinical Neuroscience, 2014, 21, 786-789.	1.5	7
49	The effect of NH <sub>4</sub> <sup>+</sup> on shape modulation of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> crystals in a hydrothermal environment. CrystEngComm, 2014, 16, 9842-9846.	2.6	16
50	Investigating the interaction of dye molecules with graphene oxide by using a surface plasmon resonance technique. RSC Advances, 2014, 4, 50789-50794.	3.6	18
51	Electrochromic response of pulsed laser deposition prepared WO <sub>3</sub> •TiO <sub>2</sub> composite film. RSC Advances, 2014, 4, 47670-47676.	3.6	22
52	Crystal facet control of LaFeO <sub>3</sub> , LaCrO <sub>3</sub> , and La <sub>0.75</sub> Sr <sub>0.25</sub> MnO <sub>3</sub> . CrystEngComm, 2014, 16, 2874.	2.6	25
53	Hydrothermal synthesis and magnetic properties of REFe <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>3</sub> (RE = La, Tb, Ho, Er, Yb, Lu and Y) perovskite. New Journal of Chemistry, 2014, 38, 1168.	2.8	39
54	Novel Cigarlike TiO <sub>2</sub> Nanofibers: Fabrication, Improved Mechanical, and Electrochemical Performances. ACS Applied Materials & Interfaces, 2013, 5, 2278-2282.	8.0	23

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55	Effect of organic solvents on particle size of Mn <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by a solvothermal method. Journal of Solid State Chemistry, 2013, 202, 57-60.	2.9	34
56	Preparation and property analysis of a heat-resistant and anti-eroding coating. Procedia Engineering, 2012, 27, 1228-1232.	1.2	3
57	Three oxidation states and atomic-scale p-n junctions in manganese perovskite oxide from hydrothermal systems. Journal of Materials Science, 2008, 43, 2131-2137.	3.7	14
58	One-Pot Redox Syntheses of Heteronanostructures of Ag Nanoparticles on MoO <sub>3</sub> Nanofibers. Journal of Physical Chemistry B, 2006, 110, 5845-5848.	2.6	23
59	Comparisons of structural and optical properties of ZnO films grown on (0001) sapphire and		