

# Cheng-duo Wang

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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940533

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docs citations

17  
times ranked

333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gap engineering of SrTiO <sub>3</sub> for water splitting under visible light irradiation. International Journal of Hydrogen Energy, 2014, 39, 12507-12514.	7.1	79
2	Morphology, crystallography, and crack paths of tempered lath martensite in a medium-carbon low-alloy steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 48-57.	5.6	47
3	Highly active SrTiO <sub>3</sub> for visible light photocatalysis: A first-principles prediction. Solid State Communications, 2014, 181, 5-8.	1.9	24
4	Electronic structure calculations of I and Mn doped BiOCl with modified Becke-Johnson potential. Computational Materials Science, 2014, 85, 138-141.	3.0	19
5	Highly efficient NaTaO <sub>3</sub> for visible light photocatalysis predicted from first principles. Solar Energy Materials and Solar Cells, 2016, 149, 97-102.	6.2	17
6	Strengthening and toughening the FeNiCrMn medium entropy alloy by novel ultrafine precipitate networks. Vacuum, 2021, 184, 109995.	3.5	12
7	Band gap engineering of Ba <sub>5</sub> Nb <sub>4</sub> O <sub>15</sub> for efficient water splitting under visible light. Journal of Alloys and Compounds, 2015, 644, 757-762.	5.5	11
8	Direct Z-scheme N-doped TiO <sub>2</sub> /MoS <sub>2</sub> Heterojunction Photocatalyst for Photodegradation of Methylene Blue under Simulated Sunlight. ChemistrySelect, 2021, 6, 181-186.	1.5	11
9	CuInTe <sub>2</sub> Nanocrystals: Shape and Size Control, Formation Mechanism and Application, and Use as Photovoltaics. Nanomaterials, 2019, 9, 409.	4.1	10
10	Mechanism of crack propagation in 1800 MPa class ultrahigh-strength steel by ultrafine-grained structure (Development of fracture control from microstructure design). Transactions of the JSME (in Japanese), 2015, 81, 15-00281-15-00281.	0.2	8
11	Delaminating Crack Paths in Ultrafine, Elongated Ferritic Steel. ISIJ International, 2013, 53, 2272-2274.	1.4	7
12	Effect of austempering temperature on microstructure of ausferrite in austempered ductile iron. Materials Science and Technology, 2019, 35, 1329-1336.	1.6	6
13	One-pot synthesis of branched CuInSe <sub>2</sub> nanowires based on solution-liquid-solid method and their implementation in photovoltaic devices. Journal of Crystal Growth, 2019, 523, 125152.	1.5	5
14	Cation exchange synthesis of CuIn <sub>x</sub> Ga <sub>1-x</sub> Se <sub>2</sub> nanowires and their implementation in photovoltaic devices. RSC Advances, 2019, 9, 35780-35785.	3.6	5
15	Morphology and Crystallography of Ausferrite in Austempered Ductile Iron. Metals, 2017, 7, 238.	2.3	4
16	Mechanical Stability of Retained Austenite in Multi-Pass Cr-Ni Weld Metal in an Over-Matching Welded Joint. Materials Transactions, 2018, 59, 380-385.	1.2	2
17	Mo and P co-doped Ba <sub>5</sub> Ta <sub>4</sub> O <sub>15</sub> for hydrogen evolution under solar light. Physica B: Condensed Matter, 2018, 541, 1-5.	2.7	1