

# Wenxia Yuan

## List of Publications by Year in descending order

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50  
papers

720  
citations

567281

15  
h-index

610901

24  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic H <sub>2</sub> evolution over micro-SiC by coupling with CdS under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6296-6300.	10.3	73
2	Bipolar Carrier Transfer Channels in Epitaxial Graphene/SiC Core-Shell Heterojunction for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2015, 27, 7986-7991.	21.0	42
3	Thermodynamic Assessment of the Si-Ta and Si-W Systems. <i>Journal of Phase Equilibria and Diffusion</i> , 2009, 30, 564-570.	1.4	39
4	Zero-Dimensional Lead-Free Halide with Indirect Optical Gap and Enhanced Photoluminescence by Sb Doping. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 198-207.	4.6	35
5	A simple route to significant enhancement of photocatalytic water oxidation on BiVO <sub>4</sub> by heterojunction with SiC. <i>Chemical Engineering Journal</i> , 2015, 281, 102-108.	12.7	34
6	Chemical Intercalations in Layered Transition Metal Chalcogenides: Syntheses, Structures, and Related Properties. <i>Crystal Growth and Design</i> , 2017, 17, 2238-2253.	3.0	32
7	Preparation of Single- and Few-Layer Graphene Sheets Using Co Deposition on SiC Substrate. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-7.	2.7	30
8	Enhanced photocatalytic hydrogen production over Au/SiC for water reduction by localized surface plasmon resonance effect. <i>Applied Surface Science</i> , 2018, 456, 871-875.	6.1	25
9	Spatial separation of Pt and IrO <sub>2</sub> cocatalysts on SiC surface for enhanced photocatalysis. <i>Materials Letters</i> , 2017, 201, 114-117.	2.6	24
10	All carbon materials pn diode. <i>Nature Communications</i> , 2018, 9, 3750.	12.8	22
11	Improved H <sub>2</sub> evolution under visible light in heterostructured SiC/CdS photocatalyst: Effect of lattice match. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14409-14417.	7.1	19
12	Iron vacancy in tetragonal Fe <sub>1-x</sub> S crystals and its effect on the structure and superconductivity. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9000-9006.	2.8	18
13	The density and surface tension of In-Sn and Cu-In-Sn alloys. <i>Monatshefte für Chemie</i> , 2011, 142, 579-584.	1.8	17
14	High-efficiency red photoluminescence achieved by antimony doping in organic-inorganic halide (C <sub>11</sub> H <sub>24</sub> N <sub>2</sub> ) <sub>2</sub> [InBr <sub>6</sub> ][InBr <sub>4</sub> ]. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5905-5913.	5.5	17
15	Hexagonal SiC with spatially separated active sites on polar and nonpolar facets achieving enhanced hydrogen production from photocatalytic water reduction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4787-4792.	2.8	16
16	Efficient Heterojunctions via the in Situ Self-Assembly of BiVO <sub>4</sub> Quantum Dots on SiC Facets for Enhanced Photocatalysis. <i>ACS Applied Nano Materials</i> , 2018, 1, 4594-4601.	5.0	16
17	Mechanism of Water Splitting to Hydrogen by Silicon Carbide Nanoparticles. <i>Science of Advanced Materials</i> , 2013, 5, 155-159.	0.7	16
18	Visible light induced photocatalytic overall water splitting over micro-SiC driven by the Z-scheme system. <i>Catalysis Communications</i> , 2015, 61, 53-56.	3.3	15

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19	Ferromagnetic interlayer interaction in $\text{KCo}_2\text{Se}_{2-x}\text{S}_x$ ( $0 \leq x \leq 2$ ) and its chemical origin. Dalton Transactions, 2016, 45, 8248-8252.	3.3	15
20	Syntheses and crystal structures of trigonal rare-earth dioxymonocyanamides, $\text{Ln}_2\text{O}_2\text{CN}_2$ (Ln=Dy, Ho). Dalton Transactions, 2016, 45, 10000-10004.	0.2	14
21	S/Te co-doping in tetragonal FeSe with unchanged lattice parameters: Effects on superconductivity and electronic structure. Journal of Alloys and Compounds, 2017, 700, 43-48.	5.5	13
22	Light-Emitting OD Hybrid Metal Halide $(\text{C}_3\text{H}_{12}\text{N}_2)_2\text{Sb}_2\text{Cl}_{10}$ with Antimony Dimers. Inorganic Chemistry, 2021, 60, 11429-11434.	4.0	13
23	Heterogeneous nucleation of CdS to enhance visible-light photocatalytic hydrogen evolution of SiC/CdS composite. Applied Physics Letters, 2015, 107, .	3.3	12
24	A new intercalated iron sulfide $(\text{C}_2\text{H}_8\text{N}_2)_0.4\text{Fe}_2\text{S}_2$ from solvothermal route: Synthesis, structure and tunable magnetism. Inorganic Chemistry Communication, 2018, 91, 72-76.	3.9	12
25	A "Si-O-Si" bridge assembled from 3-mercaptopropyltrimethoxysilane and silicon carbide for effective charge transfer in photocatalysis. Journal of Materials Science, 2018, 53, 12432-12440.	3.7	12
26	Effectively Improving Extinction Coefficient of Benzodithiophene and Benzodithiophenedione-based Photovoltaic Polymer by Grafting Alkylthio Functional Groups. Chemistry - an Asian Journal, 2016, 11, 2650-2655.	3.3	11
27	$\text{KFeCuTe}_2$ : a new compound to study the removal of interstitial Fe in layered tellurides. Dalton Transactions, 2017, 46, 3649-3654.	3.3	11
28	High-efficient photo-electron transport channel in SiC constructed by depositing cocatalysts selectively on specific surface sites for visible-light $\text{H}_2$ production. Applied Physics Letters, 2016, 108, .	3.3	10
29	$\text{K}_x(\text{C}_2\text{H}_8\text{N}_2)_y\text{Fe}_z\text{S}_2$ : synthesis, phase structure and correlation between $\text{K}^+$ intercalation and Fe depletion. RSC Advances, 2017, 7, 17539-17544.	3.6	10
30	The transition between antiferromagnetic order and spin-glass state in layered chalcogenides $\text{KFeAgCh}_2$ (Ch = Se, S). Journal of Solid State Chemistry, 2019, 272, 126-130.	2.9	10
31	Synthesis, structure and superconductivity of $\text{FeS}_{1-x}\text{Se}_x$ ( $0 \leq x \leq 1$ ) solid solution crystals. CrystEngComm, 2019, 21, 2994-2999.	2.6	8
32	Investigation of Ta/Ni bilayered ohmic contacts on n-type SiC single-crystal substrate. Monatshefte für Chemie, 2012, 143, 1329-1334.	1.8	7
33	Homogeneous dispersion of high-conductive reduced graphene oxide sheets for polymethylmethacrylate nanocomposites. Powder Diffraction, 2014, 29, 241-247.	0.2	7
34	$\text{Cs}_{0.9}\text{Ni}_{3.1}\text{Se}_3$ : A Ni-Based Quasi-One-Dimensional Conductor with Spin-Glass Behavior. Inorganic Chemistry, 2018, 57, 3798-3804.	4.0	7
35	Structure and Optical Properties of Hybrid-Layered-Double Perovskites $(\text{C}_8\text{H}_{20}\text{N}_2)_2\text{AgMBr}_8$ (M = In, Sb, and Bi). Inorganic Chemistry, 2021, 60, 14629-14635.	4.0	7
36	Surface tension of liquid Au-Bi-Sn alloys. Rare Metals, 2012, 31, 250-254.	7.1	6

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37	Thermodynamic properties of liquid Au-Bi-Sn alloys. Journal of Chemical Thermodynamics, 2012, 48, 201-206.	2.0	6
38	Structure and physical properties of Ni-based quasi-one-dimensional selenides Rb <sub>0.9</sub> Ni <sub>3.1</sub> Se <sub>3</sub> and K <sub>0.7</sub> Ni <sub>3.1</sub> Se <sub>3</sub> . Journal of Alloys and Compounds, 2019, 793, 425-432.	5.5	6
39	Local Distortions and Metal-Semiconductor-Metal Transition in Quasi-One-Dimensional Nanowire Compounds AV <sub>3</sub> Q <sub>3</sub> O <sub>7</sub> (A = K, Rb, Cs and Q = Se, Te). Chemistry of Materials, 2021, 33, 2611-2623.	6.7	6
40	Density and surface tension of liquid Bi-Cu-Sn alloys. Monatshefte für Chemie, 2012, 143, 1617-1622.	1.8	5
41	Chemical reactions in the Co-Si-C system. Powder Diffraction, 2008, 23, 329-333.	0.2	4
42	Layered quaternary chalcogenides KMgCuSe <sub>2</sub> and KMgCuTe <sub>2</sub> with paramagnetic semiconducting behavior. Journal of Alloys and Compounds, 2021, 883, 160820.	5.5	4
43	Pt <sub>3</sub> Ga: Thermodynamics and Nonstoichiometry. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 999-1005.	0.7	3
44	A(NH <sub>3</sub> ) <sub>x</sub> FePS <sub>3</sub> (A = Li, K): intercalated Fe thiophosphate via the liquid ammonia method. Materials Chemistry Frontiers, 2021, 5, 2715-2723.	5.9	3
45	Tunable K vacancies in K <sub>1-x</sub> Co <sub>2</sub> Se <sub>2</sub> and their effects on structure and ferromagnetism. Journal of Magnetism and Magnetic Materials, 2019, 490, 165473.	2.3	2
46	High electron mobility and transverse negative magnetoresistance in van der Waals material Nb <sub>2</sub> GeTe <sub>4</sub> . Materials Chemistry Frontiers, 2021, 5, 8275-8280.	5.9	2
47	Phase assemblages of the Fe-Se ternary system (x K <sub>33.3</sub> %) and the metastability of superconducting phase in this area. Monatshefte für Chemie, 2015, 146, 1807-1813.	1.8	1
48	High active crystalline {1 1 0} facets with high surface energy in Tin monoxide photocatalyst. Inorganic Chemistry Communication, 2021, 134, 109043.	3.9	1
49	Effect of Cu Doping on Structure and Physical Properties in the Antiferromagnetic Dirac Semimetal CaMnBi <sub>2</sub> . Inorganic Chemistry, 2022, 61, 4592-4597.	4.0	1
50	Electron Doping and Physical Properties in the Ferromagnetic Semimetal Co <sub>3</sub> Sn <sub>2</sub> xSb <sub>x</sub> S <sub>2</sub> . Journal of Physical Chemistry C, 2022, 126, 7230-7237.	3.1	1