

Wenxia Yuan

List of Publications by Year in descending order

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50
papers

720
citations

567281

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24
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50
docs citations

50
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency red photoluminescence achieved by antimony doping in organic-inorganic halide (C ₁₁ H ₂₄ N ₂) ₂ [InBr ₆][InBr ₄]. Journal of Materials Chemistry C, 2022, 10, 5905-5913.	5.5	17
2	Effect of Cu Doping on Structure and Physical Properties in the Antiferromagnetic Dirac Semimetal CaMnBi ₂ . Inorganic Chemistry, 2022, 61, 4592-4597.	4.0	1
3	Zero-Dimensional Lead-Free Halide with Indirect Optical Gap and Enhanced Photoluminescence by Sb Doping. Journal of Physical Chemistry Letters, 2022, 13, 198-207.	4.6	35
4	Electron Doping and Physical Properties in the Ferromagnetic Semimetal Co ₃ Sn ₂ Sb ₂ S ₂ . Journal of Physical Chemistry C, 2022, 126, 7230-7237.	3.1	1
5	A(NH ₃) _x FePS ₃ (A = Li, K): intercalated Fe thiophosphate via the liquid ammonia method. Materials Chemistry Frontiers, 2021, 5, 2715-2723.	5.9	3
6	Local Distortions and Metal-Semiconductor-Metal Transition in Quasi-One-Dimensional Nanowire Compounds AV ₃ Q ₃ O ₃ (A = K, Rb, Cs and Q = Se, Te). Chemistry of Materials, 2021, 33, 2611-2623.	6.7	6
7	Light-Emitting OD Hybrid Metal Halide (C ₃ H ₁₂ N ₂) ₂ Sb ₂ Cl ₁₀ with Antimony Dimers. Inorganic Chemistry, 2021, 60, 11429-11434.	4.0	13
8	Structure and Optical Properties of Hybrid-Layered-Double Perovskites (C ₈ H ₂₀ N ₂) ₂ AgMBr ₈ (M = In, Sb, and Bi). Inorganic Chemistry, 2021, 60, 14629-14635.	4.0	7
9	Layered quaternary chalcogenides KMgCuSe ₂ and KMgCuTe ₂ with paramagnetic semiconducting behavior. Journal of Alloys and Compounds, 2021, 883, 160820.	5.5	4
10	High electron mobility and transverse negative magnetoresistance in van der Waals material Nb ₂ GeTe ₄ . Materials Chemistry Frontiers, 2021, 5, 8275-8280.	5.9	2
11	High active crystalline {1 1 0} facets with high surface energy in Tin monoxide photocatalyst. Inorganic Chemistry Communication, 2021, 134, 109043.	3.9	1
12	Tunable K vacancies in K _{1-x} Co ₂ Se ₂ and their effects on structure and ferromagnetism. Journal of Magnetism and Magnetic Materials, 2019, 490, 165473.	2.3	2
13	Structure and physical properties of Ni-based quasi-one-dimensional selenides Rb _{0.9} Ni _{3.1} Se ₃ and K _{0.7} Ni _{3.1} Se ₃ . Journal of Alloys and Compounds, 2019, 793, 425-432.	5.5	6
14	Synthesis, structure and superconductivity of FeS _{1-x} Se _x (0 ≤ x ≤ 1) solid solution crystals. CrystEngComm, 2019, 21, 2994-2999.	2.6	8
15	The transition between antiferromagnetic order and spin-glass state in layered chalcogenides KFeAgCh ₂ (Ch = Se, S). Journal of Solid State Chemistry, 2019, 272, 126-130.	2.9	10
16	Hexagonal SiC with spatially separated active sites on polar and nonpolar facets achieving enhanced hydrogen production from photocatalytic water reduction. Physical Chemistry Chemical Physics, 2018, 20, 4787-4792.	2.8	16
17	A new intercalated iron sulfide (C ₂ H ₈ N ₂) _{0.4} Fe ₂ S ₂ from solvothermal route: Synthesis, structure and tunable magnetism. Inorganic Chemistry Communication, 2018, 91, 72-76.	3.9	12
18	Cs _{0.9} Ni _{3.1} Se ₃ : A Ni-Based Quasi-One-Dimensional Conductor with Spin-Glass Behavior. Inorganic Chemistry, 2018, 57, 3798-3804.	4.0	7

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19	All carbon materials pn diode. Nature Communications, 2018, 9, 3750.	12.8	22
20	Enhanced photocatalytic hydrogen production over Au/SiC for water reduction by localized surface plasmon resonance effect. Applied Surface Science, 2018, 456, 871-875.	6.1	25
21	Efficient Heterojunctions via the in Situ Self-Assembly of BiVO ₄ Quantum Dots on SiC Facets for Enhanced Photocatalysis. ACS Applied Nano Materials, 2018, 1, 4594-4601.	5.0	16
22	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
23	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
24	Iron vacancy in tetragonal Fe _{1-x} S crystals and its effect on the structure and superconductivity. Physical Chemistry Chemical Physics, 2017, 19, 9000-9006.	2.8	18
25	KFeCuTe ₂ : a new compound to study the removal of interstitial Fe in layered tellurides. Dalton Transactions, 2017, 46, 3649-3654.	3.3	11
26	Spatial separation of Pt and IrO ₂ cocatalysts on SiC surface for enhanced photocatalysis. Materials Letters, 2017, 201, 114-117.	2.6	24
27	Chemical Intercalations in Layered Transition Metal Chalcogenides: Syntheses, Structures, and Related Properties. Crystal Growth and Design, 2017, 17, 2238-2253.	3.0	32
28	K _x (C ₂ H ₈ N ₂) _y Fe _{2z} S ₂ : synthesis, phase structure and correlation between K ⁺ intercalation and Fe depletion. RSC Advances, 2017, 7, 17539-17544.	3.6	10
29	Improved H ₂ evolution under visible light in heterostructured SiC/CdS photocatalyst: Effect of lattice match. International Journal of Hydrogen Energy, 2017, 42, 14409-14417.	7.1	19
30	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
31	High-efficient photo-electron transport channel in SiC constructed by depositing cocatalysts selectively on specific surface sites for visible-light H ₂ production. Applied Physics Letters, 2016, 108, .	3.3	10
32	Ferromagnetic interlayer interaction in KCo ₂ Se _{2-x} S _x (0 ≤ x ≤ 2) and its chemical origin. Dalton Transactions, 2016, 45, 8248-8252.	3.3	15
33	Bipolar Carrier Transfer Channels in Epitaxial Graphene/SiC Core-Shell Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Advanced Materials, 2015, 27, 7986-7991.	21.0	42
34	Phase assemblages of the Fe-Se ternary system (x ≤ 33.3%) and the metastability of superconducting phase in this area. Monatshefte für Chemie, 2015, 146, 1807-1813.	1.8	1
35	A simple route to significant enhancement of photocatalytic water oxidation on BiVO ₄ by heterojunction with SiC. Chemical Engineering Journal, 2015, 281, 102-108.	12.7	34
36	Heterogeneous nucleation of CdS to enhance visible-light photocatalytic hydrogen evolution of SiC/CdS composite. Applied Physics Letters, 2015, 107, .	3.3	12

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37	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
38	Enhanced photocatalytic H ₂ 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
39	Homogeneous dispersion of high-conductive reduced graphene oxide sheets for polymethylmethacrylate nanocomposites. <i>Powder Diffraction</i> , 2014, 29, 241-247.	0.2	7
40	Mechanism of Water Splitting to Hydrogen by Silicon Carbide Nanoparticles. <i>Science of Advanced Materials</i> , 2013, 5, 155-159.	0.7	16
41	Investigation of Ta/Ni bilayered ohmic contacts on n-type SiC single-crystal substrate. <i>Monatshefte für Chemie</i> , 2012, 143, 1329-1334.	1.8	7
42	Density and surface tension of liquid Bi-Cu-Sn alloys. <i>Monatshefte für Chemie</i> , 2012, 143, 1617-1622.	1.8	5
43	Surface tension of liquid Au-Bi-Sn alloys. <i>Rare Metals</i> , 2012, 31, 250-254.	7.1	6
44	Thermodynamic properties of liquid Au-Bi-Sn alloys. <i>Journal of Chemical Thermodynamics</i> , 2012, 48, 201-206.	2.0	6
45	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
46	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
47	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
48	Chemical reactions in the Co-Si-C system. <i>Powder Diffraction</i> , 2008, 23, 329-333.	0.2	4
49	Syntheses and crystal structures of trigonal rare-earth dioxymonocyanamides, Ln ₂ O ₂ CN ₂ (Ln=Dy, Ho.) <i>Tj ETQq1 1 0.784314.rgBT /OV</i>	0.2	14
50	Pt ₃ Ga: Thermodynamics and Nonstoichiometry. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 999-1005.	0.7	3