

Fengxia Wei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3381276/publications.pdf>

Version: 2024-02-01

59
papers

5,544
citations

186209

28
h-index

143943

57
g-index

65
all docs

65
docs citations

65
times ranked

8578
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and crystal chemistry of the hybrid perovskite (CH ₃ NH ₃)PbI ₃ for solid-state sensitised solar cell applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5628.	5.2	2,254
2	Understanding heterogeneous electrocatalytic carbon dioxide reduction through operando techniques. <i>Nature Catalysis</i> , 2018, 1, 922-934.	16.1	515
3	Synthesis and Properties of a Lead-Free Hybrid Double Perovskite: (CH ₃ NH ₃) ₂ AgBiBr ₆ . <i>Chemistry of Materials</i> , 2017, 29, 1089-1094.	3.2	290
4	The synthesis, structure and electronic properties of a lead-free hybrid inorganic-organic double perovskite (MA) ₂ KBiCl ₆ (MA = methylammonium). <i>Materials Horizons</i> , 2016, 3, 328-332.	6.4	284
5	Exploring the properties of lead-free hybrid double perovskites using a combined computational-experimental approach. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12025-12029.	5.2	250
6	Fundamental Carrier Lifetime Exceeding 1 Ås in Cs ₂ AgBiBr ₆ Double Perovskite. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800464.	1.9	173
7	Crystal Growth, HOMO-LUMO Engineering, and Charge Transfer Degree in Perylene-F _x TCNQ (x = 1, 2, 4) Organic Charge Transfer Binary Compounds. <i>Crystal Growth and Design</i> , 2016, 16, 3019-3027.	1.4	135
8	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacene. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1883-1886.	4.0	118
9	Enhanced visible light absorption for lead-free double perovskite Cs ₂ AgSbBr ₆ . <i>Chemical Communications</i> , 2019, 55, 3721-3724.	2.2	117
10	Synthesis, Characterization, Self-Assembly, and Physical Properties of 11-Methylbenzo[d]pyreno[4,5-b]furan. <i>Organic Letters</i> , 2011, 13, 3004-3007.	2.4	94
11	Elastic properties and thermal expansion of lead-free halide double perovskite Cs ₂ AgBiBr ₆ . <i>Computational Materials Science</i> , 2018, 141, 49-58.	1.4	87
12	Factors Influencing the Mechanical Properties of Formamidinium Lead Halides and Related Hybrid Perovskites. <i>ChemSusChem</i> , 2017, 10, 3740-3745.	3.6	80
13	Fluorination of Metal Phthalocyanines: Single-Crystal Growth, Efficient N-Channel Organic Field-Effect Transistors and Structure-Property Relationships. <i>Scientific Reports</i> , 2014, 4, 7573.	1.6	74
14	Synthesis and Characterization of the Rare-Earth Hybrid Double Perovskites: (CH ₃ NH ₃) ₂ KGdCl ₆ and (CH ₃ NH ₃) ₂ KYCl ₆ . <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5015-5020.	2.1	68
15	Tailoring the phase transition temperature to achieve high-performance cubic GeTe-based thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18880-18890.	5.2	61
16	Solvent-Dependent Stoichiometry in Perylene-7,7,8,8-Tetracyanoquinodimethane Charge Transfer Compound Single Crystals. <i>Crystal Growth and Design</i> , 2014, 14, 6376-6382.	1.4	58
17	One-Pot Synthesis of 4,8-Dibromobenzo[1,2-c;4,5-c']bis[1,2,5]thiadiazole. <i>Organic Letters</i> , 2010, 12, 3340-3343.	2.4	53
18	Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals. <i>Small</i> , 2013, 9, 990-995.	5.2	51

#	ARTICLE	IF	CITATIONS
19	Cooperative Enhancement of Second-Harmonic Generation from a Single CdS Nanobelt-Hybrid Plasmonic Structure. <i>ACS Nano</i> , 2015, 9, 5018-5026.	7.3	43
20	Variable temperature and high-pressure crystal chemistry of perovskite formamidinium lead iodide: a single crystal X-ray diffraction and computational study. <i>Chemical Communications</i> , 2017, 53, 7537-7540.	2.2	43
21	A new hydrazine-bridged thioantimonate $Mn_2Sb_4S_8(N_2H_4)_2$: Synthesis, structure, optical and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2011, 14, 884-888.	1.8	42
22	Impact of $H\cdots X$ ($X = F, N$) and $\pi\cdots\pi$ Interactions on Tuning the Degree of Charge Transfer in $F_{6-}TNAP$ -Based Organic Binary Compound Single Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 1776-1785.	1.4	40
23	The effect of structural dimensionality on carrier mobility in lead-halide perovskites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23949-23957.	5.2	38
24	Synthesis, Crystal Structure, and Optical Properties of a Three-Dimensional Quaternary $Hg_7In_6S_5Cl$ Chalcogenide: $Hg_7In_6S_5Cl$. <i>Inorganic Chemistry</i> , 2012, 51, 4414-4416.	1.9	37
25	Correlation of Local Structure and Diffusion Pathways in the Modulated Anisotropic Oxide Ion Conductor $CeNbO_{4.25}$. <i>Journal of the American Chemical Society</i> , 2016, 138, 1273-1279.	6.6	34
26	Intercalation of organic molecules into SnS_2 single crystals. <i>Journal of Solid State Chemistry</i> , 2013, 198, 224-230.	1.4	33
27	Five-Dimensional Incommensurate Structure of the Melilite Electrolyte $[CaNd]_2[Ca]_2[Ca_2O_7]_2$. <i>Journal of the American Chemical Society</i> , 2011, 133, 15200-15211.	6.6	32
28	Hydrogen Bonding versus Entropy: Revealing the Underlying Thermodynamics of the Hybrid Organic-Inorganic Perovskite $[CH_3NH_3]PbBr_3$. <i>Chemistry of Materials</i> , 2018, 30, 8782-8788.	3.2	29
29	Unraveling the Interfacial Structure-Performance Correlation of Flexible Metal-Organic Framework Membranes on Polymeric Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5570-5577.	4.0	29
30	Fatigue life enhancement in α/β Ti_6Al_4V after shot peening: An EBSD and TEM crystallographic orientation mapping study of surface layer. <i>Materialia</i> , 2020, 12, 100813.	1.3	27
31	Fergusonite-type $CeNbO_4$: Single crystal growth, symmetry revision and conductivity. <i>Journal of Solid State Chemistry</i> , 2013, 204, 291-297.	1.4	25
32	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3091-3096.	5.2	25
33	Synthesis, crystal structure, magnetic and electronic properties of the caesium-based transition metal halide $Cs_3Fe_2Br_9$. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3573-3577.	2.7	25
34	In situ formation of new organic ligands to construct two novel self-charge-transfer $Pb(II)$ -based frameworks. <i>CrystEngComm</i> , 2012, 14, 75-78.	1.3	22
35	Compositionally graded $CoCrFeNiTi$ high-entropy alloys manufactured by laser powder bed fusion: A combinatorial assessment. <i>Journal of Alloys and Compounds</i> , 2021, 883, 160825.	2.8	21
36	Selective laser melting of $Fe-Al$ alloys with simultaneous gradients in composition and microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141608.	2.6	20

#	ARTICLE	IF	CITATIONS
37	A comparative study of additive manufactured and wrought SS316L: Pre-existing dislocations and grain boundary characteristics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 833, 142546.	2.6	20
38	Mixed X-site Formate-Hypophosphite Hybrid Perovskites. <i>Chemistry - A European Journal</i> , 2018, 24, 11309-11313.	1.7	19
39	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , 2013, 25, 1109-1120.	3.2	18
40	Synthesis of $\text{Ni}_x\text{Co}_{(1-x)}\text{F}_2$ ($x=0, 0.25, 0.50, 0.75, 1.0$) and application in lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2015, 653, 434-443.	2.8	18
41	Crystal Chemistry of Melilite $[\text{CaLa}]_2[\text{Ga}]_2[\text{Ga}_2\text{O}_7]_2$: a Five Dimensional Solid Electrolyte. <i>Inorganic Chemistry</i> , 2012, 51, 5941-5949.	1.9	16
42	In-situ warm shot peening on Ti-6Al-4V alloy: Effects of temperature on fatigue life, residual stress, microstructure and mechanical properties. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160701.	2.8	16
43	Compositionally graded AlCoCrFeNi high-entropy alloy manufactured by laser powder bed fusion. <i>Materialia</i> , 2022, 21, 101308.	1.3	15
44	Gallium-Doped Zinc Oxide Nanostructures for Tunable Transparent Thermoelectric Films. <i>ACS Applied Nano Materials</i> , 2022, 5, 8631-8639.	2.4	13
45	Additive manufacturing of high-strength and ductile high entropy alloy CoCrFeNiW _{0.2} composites via laser powder bed fusion and post-annealing. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164288.	2.8	11
46	Synthesis, Structure, Physical Properties, and Displacement Current Measurement of an n-Type Organic Semiconductor: 2:3,5:6-Bis(1,1-dicyanoethylene-2,2-dithiolate)-quinone. <i>Australian Journal of Chemistry</i> , 2012, 65, 1674.	0.5	10
47	Anion-radical interactions in bis(triphenylphosphonium)-naphthalene diimide salts. <i>Organic Chemistry Frontiers</i> , 2019, 6, 110-115.	2.3	10
48	Single crystal growth of apatite-type Al-doped neodymium silicates by the floating zone method. <i>Journal of Crystal Growth</i> , 2011, 333, 70-73.	0.7	9
49	Understanding the Structural and Electronic Properties of Bismuth Trihalides and Related Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 3377-3386.	1.9	9
50	Electrodeposited Copper Micropillar Surfaces with Pulse Reverse Voltammetry for Enhanced Heat Dissipation. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1041-1047.	2.0	7
51	Design and synthesis of single phase $\text{Hf}_{0.25}\text{Zr}_{0.25}\text{Ce}_{0.25}\text{Y}_{0.125}\text{Si}_{0.125}\text{O}_2$ high-entropy ceramics. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164097.	2.8	7
52	Synthesis and Crystal Structure Characterization of Oxysilicate Apatites for Stabilization of Sr and Rare Earth Elements. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1761-1768.	1.9	4
53	Observation of atomic scale compositional and displacive modulations in incommensurate melilite electrolytes. <i>Journal of Solid State Chemistry</i> , 2013, 203, 291-296.	1.4	3
54	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small) Tj ETQqO 0 0 rgBT /Overlock 10 T	5.2	3

#	ARTICLE	IF	CITATIONS
55	Ambient pressure fabrication of Ni-free high nitrogen austenitic stainless steel using laser powder bed fusion method. Additive Manufacturing, 2022, 55, 102810.	1.7	3
56	3D printing of ductile equiatomic Fe-Co alloy for soft magnetic applications. Additive Manufacturing, 2021, 47, 102291.	1.7	2
57	Factors Influencing the Mechanical Properties of Formamidinium Lead Halides and Related Hybrid Perovskites. ChemSusChem, 2017, 10, 3683-3683.	3.6	0
58	The Effect of Tert-butylammonium Addition in Methylammonium Lead Iodide Perovskite Solar Cells. , 2019, , .		0
59	Laurentthomasite, $Mg_2K(Be_2Al)Si_{12}O_{30}$; a new milarite-group-type member from the Ihorombe region, Fianarantsoa Province, Madagascar. European Journal of Mineralogy, 2020, 32, 355-365.	0.4	0