

Peng L Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9459898/publications.pdf>

Version: 2024-02-01

31
papers

1,011
citations

687363

13
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1584
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Cs ₂ HfCl ₆ crystal applicability as low-temperature scintillating bolometers by their thermodynamic characteristics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5218-5229.	5.5	2
2	Growth, structure, and temperature dependent emission processes in emerging metal hexachloride scintillators Cs ₂ HfCl ₆ and Cs ₂ ZrCl ₆ . <i>Dalton Transactions</i> , 2022, 51, 6944-6954.	3.3	9
3	Investigation on Rare Nuclear Processes in Hf Nuclides. <i>Radiation</i> , 2022, 2, 234-247.	1.4	0
4	Correlation of emission, scintillation and charge trapping properties in Cs ₂ HfCl ₆ and Cs ₂ ZrCl ₆ single crystals. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2955-2968.	5.5	23
5	Single-Crystal Bismuth Thiophosphate, BiPS ₄ , as a Nontoxic and Mechanically Robust X-ray Detector. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56296-56301.	8.0	1
6	Purity analysis for room-temperature semiconductor radiation detection material, CsPbBr ₃ , using ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2672-2678.	3.0	4
7	Stabilization and Solvent Driven Crystal-to-Crystal Transition between New Bismuth Halides. <i>Inorganic Chemistry</i> , 2020, 59, 7049-7055.	4.0	6
8	Search for β^\pm decay of naturally occurring Hf-nuclides using a Cs ₂ HfCl ₆ scintillator. <i>Nuclear Physics A</i> , 2020, 1002, 121941.	1.5	18
9	Charge Transport Mechanisms in a Pb ₂ P ₂ Se ₆ Semiconductor. <i>ACS Photonics</i> , 2016, 3, 1877-1887.	6.6	6
10	Refined Synthesis and Crystal Growth of Pb ₂ P ₂ Se ₆ for Hard Radiation Detectors. <i>Crystal Growth and Design</i> , 2016, 16, 5100-5109.	3.0	12
11	Hard Radiation Detection from the Selenophosphate Pb ₂ P ₂ Se ₆ . <i>Advanced Functional Materials</i> , 2015, 25, 4874-4881.	14.9	33
12	Extraordinary role of Hg in enhancing the thermoelectric performance of p-type SnTe. <i>Energy and Environmental Science</i> , 2015, 8, 267-277.	30.8	347
13	Highly Efficient Iodine Capture by Layered Double Hydroxides Intercalated with Polysulfides. <i>Chemistry of Materials</i> , 2014, 26, 7114-7123.	6.7	132
14	Copper-Magnesium-Manganese Spinel Coatings for Solid Oxide Fuel Cell Interconnects. <i>Journal of the Electrochemical Society</i> , 2014, 161, F233-F238.	2.9	9
15	Efficient Hg Vapor Capture with Polysulfide Intercalated Layered Double Hydroxides. <i>Chemistry of Materials</i> , 2014, 26, 5004-5011.	6.7	64
16	Highly selective and efficient heavy metal capture with polysulfide intercalated layered double hydroxides. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10280-10289.	10.3	172
17	Synthesis, Crystal Structure, and Electronic Properties of the Tetragonal (REIREII)3SbO3 Phases (REI =) Tj ETQq1 1 0.784314,rgBT /Over	4.0	4.0
18	Electronically Induced Ferromagnetic Transitions inSm5Ge4-Type Magnetoresponse Phases. <i>Physical Review Letters</i> , 2013, 110, 077204.	7.8	12

#	ARTICLE	IF	CITATIONS
19	Disorder-Controlled Electrical Properties in the Ho ₂ Sb _{1-x} Bi _x O ₂ Systems. <i>Chemistry of Materials</i> , 2013, 25, 699-703.	6.7	14
20	The low-symmetry lanthanum(III) oxotellurate(IV), La ₁₀ Te ₁₂ O ₃₉ . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, i36-i36.	0.2	3
21	Electron-Deficient Eu _{6.5} Gd _{0.5} Ge ₆ Intermetallic: A Layered Intergrowth Phase of the Gd ₅ Si ₄ - and FeB-Type Structures. <i>Inorganic Chemistry</i> , 2012, 51, 3172-3178.	4.0	3
22	Crystal structure and magnetism of Gd ₅ xEu _x Ge ₄ . <i>Journal of Alloys and Compounds</i> , 2012, 534, 74-80.	5.5	13
23	Tuning Magnetic and Structural Transitions through Valence Electron Concentration in the Giant Magnetocaloric Gd ₅ xEu _x Ge ₄ Phases. <i>Chemistry of Materials</i> , 2012, 24, 552-556.	6.7	22
24	Decoupling the Electrical Conductivity and Seebeck Coefficient in the RE ₂ SbO ₂ Compounds through Local Structural Perturbations. <i>Journal of the American Chemical Society</i> , 2012, 134, 1426-1429.	13.7	38
25	Spectral and Structural Studies of Platinum Group Metal Complexes of 3-(Di(2-pyridylamino)methyl)Benzamide and Formation of Mutual Intermolecular Hydrogen Bonding in Some Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 634-640.	1.2	1
26	5- and 6-cyclic perimeter hydrocarbon platinum group metal complexes of 3-(2-pyridyl)pyrazole derived ligands with a pendant nitrile group: Syntheses, spectral and structural studies. <i>Journal of Chemical Sciences</i> , 2012, 124, 411-419.	1.5	2
27	Study of half-sandwich mono and dinuclear complexes of platinum group metals containing pyrazolyl pyridine analogues: Synthesis and spectral characterization. <i>Journal of Chemical Sciences</i> , 2012, 124, 565-575.	1.5	9
28	Resolving Composition and Structure of RE-Sb-O-C Natural Superlattice Phases (RE = La, Ho). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3887-3895.	2.0	6
29	Mononuclear Complexes of Platinum Group Metals Containing 6- and 5-Cyclic Perimeter Hydrocarbon and Pyridylpyrazolyl Derivatives: Syntheses and Structural Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 758-764.	1.2	17
30	Synthesis, Crystal and Electronic Structures of New Narrow-Band-Gap Semiconducting Antimonide Oxides RE ₃ SbO ₃ and RE ₈ Sb ₃ O ₈ , with RE = La, Sm, Gd, and Ho. <i>Journal of the American Chemical Society</i> , 2010, 132, 8795-8803.	13.7	16
31	Composition, structure, bonding and thermoelectric properties of CuT ₂ P ₃ and CuT ₄ P ₃ , members of the T ₁ (Cu ₃) _x series with T being Si and Ge. <i>Dalton Transactions</i> , 2010, 39, 1105-1112.	3.3	10