

Xin-Chun Lai

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

1491
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal synthesis of uranium dioxide and graphene composite and its application as an additive for uranium-dioxide-based accident tolerant fuel. <i>Ceramics International</i> , 2021, 47, 11249-11256.	4.8	3
2	Synthesis of composite of graphene and UO ₃ composite via one-step solution chemical reaction and its application to UO ₂ -based accident tolerant fuel. <i>Ceramics International</i> , 2021, , .	4.8	0
3	In-situ synthesized nanocrystalline UO ₂ /SiC composite with superior thermal conductivity. <i>Ceramics International</i> , 2021, 47, 31160-31167.	4.8	2
4	Crossover behavior of the localized to itinerant transition of f electrons in the antiferromagnetic Kondo lattice f electrons in the antiferromagnetic Kondo lattice f electrons in the antiferromagnetic Kondo lattice	3.2	5
5	Kondo scenario of the f phase transition in single crystalline cerium thin films. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	17
6	CaO-MgO-Al ₂ O ₃ -SiO ₂ corrosion behavior of air-plasma-sprayed (La _{1-x} Yb _x) ₂ Zr ₂ O ₇ . <i>Journal of the American Ceramic Society</i> , 2019, 102, 2029-2040.	3.8	26
7	Orbital-Selective Kondo Entanglement and Antiferromagnetic Order in f Physical Review Letters, 2019, 123, 106402.	7.8	21
8	Anchoring carbon nanotubes and post-hydroxylation treatment enhanced Ni nanofiber catalysts towards efficient hydrous hydrazine decomposition for effective hydrogen generation. <i>Chemical Communications</i> , 2019, 55, 9011-9014.	4.1	107
9	Tunable magnetic orders in UAu _{1-x} Sb ₂ . <i>Chinese Physics B</i> , 2019, 28, 017102.	1.4	0
10	Characterizations on the microstructure and micro-mechanics of cast Be-Al-0.4Sc-0.4Zr alloy prepared by vacuum induction melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 512-524.	5.6	14
11	Microstructure and Properties of Vacuum Cast Sc-Containing Be-Al Alloys. <i>International Journal of Metalcasting</i> , 2019, 13, 201-212.	1.9	6
12	Localized to itinerant transition of f electrons in ordered Ce films on W(110). <i>Physical Review B</i> , 2018, 97, .	3.2	14
13	Emergence of Kondo lattice behavior in a van der Waals itinerant ferromagnet, Fe ₃ GeTe ₂ . <i>Science Advances</i> , 2018, 4, eaao6791.	10.3	157
14	Band Dependent Interlayer f -Electron Hybridization in CeRhIn ₅ . <i>Physical Review Letters</i> , 2018, 120, 066403.	7.8	49
15	Effects of scandium addition on microstructure, mechanical and thermal properties of cast Be-Al alloy. <i>Journal of Alloys and Compounds</i> , 2018, 737, 655-664.	5.5	30
16	Sc and Sc-Zr effects on microstructure and mechanical properties of Be-Al alloy. <i>Materials Science and Technology</i> , 2018, 34, 480-486.	1.6	9
17	Physical properties and field-induced metamagnetic transitions in UAu _{0.8} Sb ₂ . <i>Scientific Reports</i> , 2018, 8, 7835.	3.3	3
18	Ultrasonic Remove of Particle Aggregation in Carbon Based Counter Electrodes for Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4366-4370.	0.9	1

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19	Cobalt Salt as Efficient Dopant for Spiro-MeOTAD in Cesium-Containing Planar Perovskite Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2898-2902.	0.9	5
20	Supported Pd nanoclusters for the hydrogen mitigation application in severe accidents. <i>Nuclear Engineering and Design</i> , 2017, 316, 93-98.	1.7	5
21	Cesium-Containing Perovskite Solar Cell Based on Graphene/TiO ₂ Electron Transport Layer. <i>ChemistrySelect</i> , 2017, 2, 9433-9437.	1.5	21
22	Direct observation of how the heavy-fermion state develops in CeCoIn_5 . <i>Physical Review B</i> , 2017, 96, .	3.2	14
23	Ferromagnetism and heavy fermion semiconductor-like behavior in $\text{UFe}_0.6\text{Sb}_2$ single crystals. <i>Journal of Alloys and Compounds</i> , 2016, 663, 672-676.	5.5	2
24	Tunable Fe-vacancy disorder-order transition in FeSe thin films. <i>Physical Review B</i> , 2016, 93, .	3.2	12
25	Observation of Dirac cone band dispersions in FeSe thin films by photoemission spectroscopy. <i>Physical Review B</i> , 2016, 93, .	3.2	41
26	Study on the electronic structure of U_2N_3 by XPS and first principles. <i>Journal of Alloys and Compounds</i> , 2016, 664, 745-749.	5.5	20
27	Gold nanoparticles as sensors in the colorimetric and fluorescence detection of chemical warfare agents. <i>Coordination Chemistry Reviews</i> , 2016, 311, 75-84.	18.8	107
28	UN_2a^x layer formed on uranium metal by glow plasma nitriding. <i>Journal of Alloys and Compounds</i> , 2015, 620, 289-293.	5.5	23
29	Study of the initial oxidation characteristics of uranium with pure oxygen below 100 Å°C by spectroscopic ellipsometry. <i>Surface and Interface Analysis</i> , 2008, 40, 645-648.	1.8	17