

Keping Chen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

876
citations

759055

12
h-index

642610

23
g-index

24
all docs

24
docs citations

24
times ranked

1096
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the present progress and activities on the CFETR. Nuclear Fusion, 2017, 57, 102009.	1.6	417
2	Preparation and properties of nanoencapsulated n-octadecane phase change material with organosilica shell for thermal energy storage. Energy Conversion and Management, 2015, 105, 908-917.	4.4	93
3	Antimicrobial polymer contained adsorbent: A promising candidate with remarkable anti-biofouling ability and durability for enhanced uranium extraction from seawater. Chemical Engineering Journal, 2020, 388, 124273.	6.6	78
4	Mechanical Reinforcement in Thermoplastic Polyurethane Nanocomposite Incorporated with Polydopamine Functionalized Graphene Nanoplatelet. Industrial & Engineering Chemistry Research, 2017, 56, 11827-11838.	1.8	47
5	Ultrasensitive, recyclable and portable microfluidic surface-enhanced raman scattering (SERS) biosensor for uranyl ions detection. Sensors and Actuators B: Chemical, 2020, 311, 127676.	4.0	40
6	Current Progress of Tritium Fuel Cycle Technology for CFETR. Journal of Fusion Energy, 2019, 38, 125-137.	0.5	31
7	Polymer bonded explosives with highly tunable creep resistance based on segmented polyurethane copolymers with different hard segment contents. Composites Science and Technology, 2017, 146, 10-19.	3.8	29
8	Effect of SiO ₂ on rheology, morphology, thermal, and mechanical properties of high thermal stable epoxy foam. Journal of Applied Polymer Science, 2014, 131, .	1.3	22
9	Preferred hydride growth orientation of U ^{0.79} wt.%Ti alloy with ¹² +U ₂ Ti microstructure. Journal of Nuclear Materials, 2013, 441, 1-5.	1.3	20
10	Ultra-sensitive detection of uranyl ions with a specially designed high-efficiency SERS-based microfluidic device. Science China Chemistry, 2019, 62, 1064-1071.	4.2	14
11	The CFETR tritium plant: Requirements and design progress. Fusion Engineering and Design, 2020, 159, 111930.	1.0	14
12	The effects of microstructure on the hydriding for 500 ^o C/2 ^h aged U-13at.%Nb alloy. Journal of Nuclear Materials, 2017, 488, 252-260.	1.3	13
13	Effect of stoichiometry on the thermal stability and flame retardation of polyisocyanurate foams modified with epoxy resin. Polymer Degradation and Stability, 2018, 150, 105-113.	2.7	10
14	Preparation of poly(ethylene oxide) brush ^g rafted multiwall carbon nanotubes and their effect on morphology and mechanical properties of rigid polyurethane foam. Polymer International, 2018, 67, 1545-1554.	1.6	8
15	Research progress of SERS on uranyl ions and uranyl compounds: a review. Journal of Materials Chemistry C, 2022, 10, 4006-4018.	2.7	8
16	Preparation and characterization of cyanate/epoxy foam. High Performance Polymers, 2016, 28, 96-109.	0.8	7
17	Mechanism of surface uranium hydride formation during corrosion of uranium. Npj Materials Degradation, 2019, 3, .	2.6	7
18	Influence of silicon impurity on the reaction of U-0.7wt.%Ti alloy and hydrogen. Journal of Alloys and Compounds, 2015, 648, 122-126.	2.8	5

#	ARTICLE	IF	CITATIONS
19	An enhanced hydrogen corrosion by the Ti(C,N) inclusions in U-0.79wt%Ti alloy. Journal of Alloys and Compounds, 2020, 820, 153124.	2.8	4
20	Preparation and characterization of highly thermostable polyisocyanurate foams modified with epoxy resin. Journal of Applied Polymer Science, 2016, 133, .	1.3	3
21	Effect of monomer chemical structures on the cell structures and properties of cyanate ester foams. High Performance Polymers, 2016, 28, 119-128.	0.8	3
22	Effects of raw and poly(propylene oxide) grafted nanosilica on the morphology and thermal and mechanical properties of polyurethane foam. Journal of Applied Polymer Science, 2015, 132, .	1.3	2
23	In-situ small angle neutron scattering analysis of hydride initiation on oxide-coated metal with surface signals enhanced by a multi-plate reaction chamber. International Journal of Hydrogen Energy, 2021, 46, 4065-4071.	3.8	1
24	Front Cover: Cover Image, Volume 67, Issue 11. Polymer International, 2018, 67, i.	1.6	0