



序号	论文题目	第一作者	发表刊物	发表时间
1	Preparation of extraordinary high-density indium-tin oxide target on the basis of pressure-less sintering method	方志杰	Ceramics International	2023-11-01
2	Multifunctional Catalytic Hierarchical Interfaces of Ni ₁₂ P ₅ -Ni ₂ P Porous Nanosheets Enabled Both Sulfides Reaction Promotion and Li-Dendrite Suppression for High-Performance Li-S Full Batteries	李宏达	Small	2023-08-16
3	The role of melt cooling rate on the interface between 18R and Mg matrix in Mg ₉₇ Zn ₁ Y ₂ alloys	靳千千	Journal of Magnesium and Alloys	2023-08-01
4	“FeV-cofactor”-inspired bionic Fe-doped BiVO ₄ photocatalyst decorated with few layer 2D black phosphorus for efficient nitrogen reduction	李宏达	Inorganic Chemistry Frontiers	2023-07-20
5	Bi ₂ MoS _x O _{6-x/α} -CoS Crystalline/Amorphous S-scheme heterojunction for visible Light-Driven targeted Photo-decomposition of amoxicillin	李宏达	Chemical Engineering Journal	2023-06-22
6	Multi-scene image enhancement based on multi-channel illumination estimation	王智文	Expert Systems with Applications	2023-04-27
7	Precipitate evolution and properties of an Al-Zn-Mg-Cu alloy processed by thermomechanical treatment	梅霖	Materials Science and Engineering: A	2023-03-03
8	Theoretical investigations on P-stabilized boryl cation radicals: from the Aufbau principle to SOMO-HOMO conversion	张守峰	Dalton Trans.	2023-02-03
9	Molten salt shielded synthesis (MS3) of MXene in air	靳千千	Energy & Environmental Materials	2023-01-01

10	Interaction of face-centered cubic phase and twin in Zr–1.0Sn–1.0Nb–0.3Fe alloy	陶勃然	Journal of Nuclear Materials	2023-01-01
11	Formation of β' phase in LPSO structures in an Mg88Co5Y7 alloy	靳千千	Journal of Magnesium and Alloys 镁合金学报 (英文)	2023-01-01
12	Above-room-temperature strong intrinsic ferromagnetism in 2D van der Waals Fe ₃ GaTe ₂ with large perpendicular magnetic anisotropy	郭飞	Nature Communications	2023-01-01
13	Fabrication, microstructure, mechanical and luminescence properties of transparent Yb ³⁺ -doped Sr ₅ (PO ₄) ₃ F nanostructured ceramics	周志伟	Journal of the European Ceramic Society	2022-11-01
14	Laser-Induced Secondary Crystallization of CsPbBr ₃ Perovskite Film for Robust and Low Threshold Amplified Spontaneous Emission	李如雪	Advanced Functional Materials	2022-09-07
15	Efficient and Stable 3D/2D Perovskite Solar Cells through Vertical Heterostructures with (BA) ₄ AgBiBr ₈ Nanosheets	张守峰	Advanced Materials	2022-08-11
16	Thio-/LISICON and LGPS-Type Solid Electrolytes for All-Solid-State Lithium-Ion Batteries	陶勃然	Advanced Functional Materials	2022-06-29
17	Redox regulation of photocatalytic nitrogen reduction reaction by gadolinium doping in two-dimensional bismuth molybdate nanosheets	李宏达	Applied Surface Science	2022-06-29
18	Unraveling the decomposition mechanism of Li ₂ CO ₃ in the aprotic medium by isotope-labeled differential electrochemical mass spectrometry	张守峰	Journal of Energy Chemistry	2022-06-10
19	The Lewis Acid Induced Formation of a Stable Diradical with an Intramolecular Ion Pairing State	张莉	Journal of the American Chemical Society	2022-04-29
20	Enhanced oxygen evolution performance by the partial phase transformation of cobalt/nickel carbonate hydroxide nanosheet arrays in an Fe-containing alkaline electrolyte	刘静华	Inorganic Chemistry Frontiers	2022-04-12
21	Homocoupling of Isocyanide at the Si(II) Center of Borylaminoamidinosilylene	张莉	Inorganic Chemistry	2022-03-21
22	A study of plasmon-driven catalytic 4-NBT to DMAB in the dry film by using spatial Raman mapping spectroscopy	刘宴升	Nano Research 纳米研究 (英文版)	2022-03-12
23	Design for 1200 °C creep properties of Ni-based single crystal superalloys: Effect of γ' -forming elements and its microscopic	罗亮	Materials Science & Engineering A	2022-01-14

	mechanism			
24	MnO ₂ depositing on the surface of hollow porous carbon microspheres for supercapacitor application	张绍辉	Ceramics International	2022-01-01
25	The effect of Nd ³⁺ concentration on fabrication, microstructure and luminescent properties of anisotropic S-FAP ceramics	周志伟	Journal of the American Ceramic Society	2022-01-01
26	Effect of Pr ³⁺ doping concentration on microstructure and optical properties of transparent BaF ₂ ceramics	周志伟	Journal of Alloys and Compounds	2021-11-01
27	Fabrication and spectroscopic investigations on Er ³⁺ , Ho ³⁺ : SrF ₂ transparent ceramics for 2.7 μ m emission	周志伟	Journal of the European Ceramic Society	2021-11-01
28	Two-dimensional Magnetic Atomic Crystals	谢源森	Materials Horizons	2021-10-27
29	Good combination of strength and corrosion resistance in an Al-Cu-Mg alloy processed by a short-cycled thermomechanical treatment	梅霖	Materials Characterization	2021-09-22
30	An Isolable Magnesium(II)-Radical Dianion Complex	张莉	Organometallics	2021-09-10
31	Poling magnetic field dependence and memory effect of magnetoelectric coupling in honeycomb antiferromagnet cobalt niobate	谢源森	Ceramics International	2021-08-28
32	Wearable solar energy management based on visible solar thermal energy storage for full solar spectrum utilization	张守峰	Energy Storage Materials	2021-08-08
33	Energy transfer and controllable colors of upconversion emission in Er ³⁺ and Dy ³⁺ co-doped CaF ₂ transparent ceramics	周志伟	Journal of the European Ceramic Society	2021-08-01
34	Mechanisms of the relaxations in (In +Nb) co-doped TiO ₂ ceramics	谢源森	Ceramics International	2021-06-08
35	Self-Structural Healing of Encapsulated Perovskite Microcrystals for Improved Optical and Thermal Stability	李如雪	Advanced Materials	2021-04-06
36	FCC phase transformation of Zr alloy during air cooling and aging	陶勃然	Journal of Nuclear Materials	2021-03-29
37	Two-Dimensional Metal Telluride Atomic Crystals: Preparation, Physical Properties, and Applications	李宏达	Advanced Functional Materials	2021-03-26
38	Self-rectifying and forming-free nonvolatile memory behavior in single-crystal TiO ₂ nanowire memory device	余志强	Journal of Alloys and Compounds	2021-03-15
39	The effects of the solution reactant concentration and temperature on the	周志伟	Journal of the American	2021-03-06

	preparation of Pr ³⁺ : BaF ₂ transparent ceramics		Ceramic Society	
40	Fabrication and upconversion luminescence properties of Er:SrF ₂ transparent ceramics compared with Er:CaF ₂	周志伟	Ceramics International	2021-03-01
41	Stable Radical Cation and Dication of a 1,4-Disilabenzene	张莉	Journal of the American Chemical Society	2021-01-28
42	Rational Design and Syntheses of Aniline-Based Diradical Dications: Isolable Congeners of Quinodimethane Diradicals	张莉	Org. Chem. Front	2021-01-01
43	Chemical Vapor Deposition-Grown Nonlayered α -MnTe Nanosheet for Photodetectors with Ultrahigh Responsivity and External Quantum Efficiency	李宏达	Chemistry of Materials	2021-01-01
44	Stacking disordered structures in Mg–Co–Y alloys	靳千千	Journal of Alloys and Compounds	2021-01-01
45	Fast Spin-Flip Enables Efficient and Stable Organic Electroluminescence from Charge-Transfer States	张守峰	Nature Photonics	2020-10-01
46	Lateral optical force due to the breaking of electric-magnetic symmetry	陈华金	Physical Review Letters	2020-08-11
47	A diradical based on odd-electron sigma-bonds	张莉	Nature Communications	2020-07-26
48	The in-built bionic “MoFe cofactor” in Fe-doped two-dimensional MoTe ₂ nanosheets for boosting the photocatalytic nitrogen reduction performance	李宏达	Journal of Materials Chemistry A	2020-05-28
49	In situ ligand-free growth of TiO ₂ -escapsulated Au nanocomposites on photoanode for efficient dye sensitized solar cells	何雄	Chemical Engineering Journal	2020-04-30
50	A Magnetically Robust Triplet Ground State Sulfur-Hydrocarbon Diradical Dication	张莉	Journal of the American Chemical Society	2020-04-09
51	Tunable Reduction of 2,4,6-Tri(4-pyridyl)-1,3,5-Triazine: From Radical Anion to Diradical Dianion to Radical Metal–Organic Framework	张莉	Angewandte Chemie International Edition	2019-09-19
52	Tricoordinate Nontrigonal Pnictogen-Centered Radical Anions: Isolation, Characterization and Reactivity	张莉	Angewandte Chemie International Edition	2019-09-03
53	Morphology-dependent high antireflective surfaces via anodic aluminum oxide nanostructures	余志强	Applied Surface Science	2019-08-14

54	Effects of carbonyl nickel powder addition on the mechanical properties, microstructure, and yttrium segregation of sintered 3YSZ composites	何浩	Ceramics International	2019-04-15
55	Impact of Organic Spacers on the Carrier Dynamics in 2D Hybrid Lead-Halide Perovskites	张守峰	ACS Energy Letters	2019-01-11