

Lijie Qiao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,155
citations

516710

16
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526287

27
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all docs

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docs citations

28
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent Enhanced Electrocaloric Effect within Wide Temperature Span in Laminated Composite Ceramics. <i>Advanced Functional Materials</i> , 2022, 32, 2108182.	14.9	25
2	Role of gradient nano-structured surface in collapsed pitting corrosion on AISI 316L stainless steel during tribocorrosion. <i>Corrosion Science</i> , 2022, 197, 110043.	6.6	16
3	Remarkably enhanced piezo-photocatalytic performance in BaTiO ₃ /CuO heterostructures for organic pollutant degradation. <i>Journal of Advanced Ceramics</i> , 2022, 11, 414-426.	17.4	57
4	Revealing the role of interfacial heterogeneous nucleation in the metastable thin film growth of rare-earth nickelate electronic transition materials. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9333-9344.	2.8	6
5	Boosting Photocatalytic Hydrogen Production via Interfacial Engineering on 2D Ultrathin ZnIn ₂ S ₄ /g-C ₃ N ₄ Heterojunction. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	147
6	Ultrasensitive Frequency Shifting of Dielectric Mie Resonance near Metallic Substrate. <i>Research</i> , 2022, 2022, .	5.7	3
7	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 1354.	12.8	286
8	Broadband, High Efficiency and Wide Incident Angle Anomalous Reflection in Groove Metagratings. <i>Annalen Der Physik</i> , 2021, 533, 2100149.	2.4	4
9	Room Temperature Symmetric Giant Positive and Negative Electrocaloric Effect in PbMg _{0.5} W _{0.5} O ₃ Antiferroelectric Ceramic. <i>Advanced Functional Materials</i> , 2021, 31, 2101176.	14.9	22
10	Dynamically Crosslinked Dry Ion-Conducting Elastomers for Soft Iontronics. <i>Advanced Materials</i> , 2021, 33, e2101396.	21.0	128
11	Near Room Temperature Large Electrocaloric Effect in Barium Titanate Single Crystal Based on the Electric Field Temperature Phase Diagram. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100251.	2.4	7
12	Ultrahigh piezocatalytic capability in eco-friendly BaTiO ₃ nanosheets promoted by 2D morphology engineering. <i>Journal of Colloid and Interface Science</i> , 2021, 596, 288-296.	9.4	77
13	Influence of Phase Transitions on Electrostrictive and Piezoelectric Characteristics in PMN-30PT Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38467-38476.	8.0	15
14	Engineering of g-C ₃ N ₄ -based photocatalysts to enhance hydrogen evolution. <i>Advances in Colloid and Interface Science</i> , 2021, 295, 102488.	14.7	52
15	Scattering Cancellation by a Monolayer Cloak in Oxide Dispersion-Strengthened Alloys. <i>Advanced Functional Materials</i> , 2020, 30, 2003270.	14.9	12
16	Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45005-45014.	8.0	37
17	Effect of deformed subsurface on the corrosion resistance of biomedical CoCrMo alloy in simulated physiological solution. <i>Journal of Materials Science</i> , 2020, 55, 13351-13362.	3.7	5
18	Unveiling Catalytic Sites in a Typical Hydrogen Photogeneration System Consisting of Semiconductor Quantum Dots and 3d-Metal Ions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4680-4689.	13.7	51

#	ARTICLE	IF	CITATIONS
19	Effects of substrate and tip characteristics on the surface friction of fluorinated graphene. RSC Advances, 2020, 10, 10888-10896.	3.6	2
20	Discontinuous cracking of TiN films on a steel substrate induced by an adhesive interlayer. Philosophical Magazine Letters, 2019, 99, 199-207.	1.2	4
21	High-performance bifunctional polarization switch chiral metamaterials by inverse design method. Npj Computational Materials, 2019, 5, .	8.7	33
22	Prevention of Hydrogen Damage Using MoS2 Coating on Iron Surface. Nanomaterials, 2019, 9, 382.	4.1	4
23	Effects of Long- and Short-Range Ferroelectric Order on the Electrocaloric Effect in Relaxor Ferroelectric Ceramics. Physical Review Applied, 2019, 11, .	3.8	57
24	Composition-induced non-ergodic to ergodic transition and electrocaloric evolution in $\text{Pb}_{1-x}\text{La}_x\text{Zr}_{0.8}\text{Ti}_{0.2}\text{O}_3$ relaxor ferroelectric ceramics. IET Nanodielectrics, 2019, 2, 123-128.	4.1	16
25	Protein adsorption on implant metals with various deformed surfaces. Colloids and Surfaces B: Biointerfaces, 2017, 156, 62-70.	5.0	38
26	Effect of proteins on the surface microstructure evolution of a CoCrMo alloy in bio-tribocorrosion processes. Colloids and Surfaces B: Biointerfaces, 2016, 145, 176-184.	5.0	34
27	Tribocorrosion Behavior of Nanocrystalline Metals — a Review. Materials Transactions, 2015, 56, 1759-1763.	1.2	16
28	Achieving Low Yield Ratio in High-Strength Steel by Tuning Multiple Microstructures. Steel Research International, 0, , 2100415.	1.8	1