

Pengfei Guan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,821
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

3012
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic origins of the high catalytic activity of nanoporous gold. <i>Nature Materials</i> , 2012, 11, 775-780.	27.5	803
2	Catalytically active single-atom niobium in graphitic layers. <i>Nature Communications</i> , 2013, 4, 1924.	12.8	261
3	Stress-Temperature Scaling for Steady-State Flow in Metallic Glasses. <i>Physical Review Letters</i> , 2010, 104, 205701.	7.8	183
4	Synthesis and characterization of IT-electrolyte with perovskite structure $\text{La}_{0.8}\text{Sr}_{0.2}\text{Ga}_{0.85}\text{Mg}_{0.15}\text{O}_{3-\delta}$ by glycine-nitrate combustion method. <i>Journal of Alloys and Compounds</i> , 2003, 348, 325-331.	5.5	168
5	Gigahertz Dielectric Polarization of Substitutional Single Niobium Atoms in Defective Graphitic Layers. <i>Physical Review Letters</i> , 2015, 115, 147601.	7.8	101
6	Visualizing Undercoordinated Surface Atoms on 3D Nanoporous Gold Catalysts. <i>Advanced Materials</i> , 2016, 28, 1753-1759.	21.0	85
7	Cavitation in Amorphous Solids. <i>Physical Review Letters</i> , 2013, 110, 185502.	7.8	75
8	Nanoporous twinned PtPd with highly catalytic activity and stability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2050-2056.	10.3	43
9	Large-scale growth of sharp gold nano-cones for single-molecule SERS detection. <i>RSC Advances</i> , 2016, 6, 2882-2887.	3.6	36
10	Characterization of YSZ electrolyte membrane tubes prepared by a vacuum casting method. <i>Journal of Alloys and Compounds</i> , 2002, 337, 231-236.	5.5	24
11	Dumbbell-Like Fe_3O_4 -Au Nanoparticles for Ultrabroadband Electromagnetic Losses by Heterogeneous Interfacial Polarizations. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 842-846.	2.3	21
12	Assessment of performances of Ni-Cu-LSGM as anode materials for intermediate-temperature LaGaO ₃ -based solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2005, 393, 292-298.	5.5	10
13	Enhanced high-frequency microwave absorption in core-shell nanocapsules with atomic-scale oxygen substitutions. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	7
14	Cycle deformation enabled controllable mechanical polarity of bulk metallic glasses. <i>Acta Materialia</i> , 2022, 225, 117557.	7.9	4