

Xiu-Li Hou

List of Publications by Year in descending order

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times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational screening of transition-metal doped boron nanotubes as efficient electrocatalysts for water splitting. RSC Advances, 2022, 12, 6841-6847.	1.7	0
2	Nitrogen electroreduction on two-dimensional π -conjugated metal bis(dithiolene) complex nanosheets: A density functional theory study. Catalysis Communications, 2020, 138, 105863.	1.6	7
3	Metal-Doped Two-Dimensional Borophene Nanosheets for the Carbon Dioxide Electrochemical Reduction Reaction. Journal of Physical Chemistry C, 2020, 124, 24156-24163.	1.5	17
4	Transition metal-doped π -borophene as potential oxygen and hydrogen evolution electrocatalyst: A density functional theory study. Catalysis Communications, 2020, 144, 106090.	1.6	20
5	Metal- π -bipyridine complexes as electrocatalysts for the reduction of CO_2 : a density functional theory study. Physical Chemistry Chemical Physics, 2019, 21, 23742-23748.	1.3	9
6	Active sites and mechanism of the direct conversion of methane and carbon dioxide to acetic acid over the zinc-modified H-ZSM-5 zeolite. Catalysis Science and Technology, 2019, 9, 6297-6307.	2.1	28
7	Size effect of oxygen reduction reaction on nitrogen-doped graphene quantum dots. RSC Advances, 2018, 8, 531-536.	1.7	37
8	First-principles design of bifunctional oxygen reduction and evolution catalysts through bimetallic centers in metal-organic frameworks. Catalysis Science and Technology, 2018, 8, 3666-3674.	2.1	21
9	Oxygen reduction reaction on $\text{M}_3(\text{hexaminobenzene})_2$: A density function theory study. Catalysis Communications, 2018, 115, 17-20.	1.6	6
10	Rare earth texture analysis of rectangular extruded Mg alloys and a comparison of different alloying adding ways. Rare Metals, 2016, 35, 850-857.	3.6	2
11	Enhanced electrocatalytic activity of nitrogen-doped olympicene/graphene hybrids for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2016, 18, 22799-22804.	1.3	7
12	Oxygen reduction reaction on nitrogen-doped graphene nanoribbons: A density functional theory study. Chemical Physics Letters, 2016, 663, 123-127.	1.2	28
13	Hot deformation behavior and microstructure evolution of a Mg-Gd-Nd-Y-Zn alloy. Rare Metals, 2016, 35, 532-536.	3.6	10
14	Adhesion Strength of Thermal Barrier Coatings with Thermal-Sprayed Bondcoat Treated by Compound Method of High-Current Pulsed Electron Beam and Grit Blasting. Journal of Thermal Spray Technology, 2015, 24, 798-806.	1.6	17
15	The effects of surface group functionalization and strain on the electronic structures of two-dimensional silicon carbide. Chemical Physics Letters, 2015, 628, 60-65.	1.2	1
16	Oxygen reduction reaction on M-S4 embedded graphene: A density functional theory study. Chemical Physics Letters, 2015, 641, 112-116.	1.2	16
17	Two-Dimensional π -Conjugated Metal Bis(dithiolene) Complex Nanosheets as Selective Catalysts for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2015, 119, 28028-28037.	1.5	76
18	Curvature effect of O_2 adsorption and dissociation on SiC nanotubes and nanosheet. Chemical Physics Letters, 2015, 619, 92-96.	1.2	13

#	ARTICLE	IF	CITATIONS
19	Microstructures and corrosion mechanism of AISI 304L stainless steel irradiated by high current pulsed electron beam. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014, 50, 650-658.	0.3	2
20	Blue photoluminescence from nanocrystalline porous silicon structure fabricated by high-current pulsed electron beam irradiation. <i>Science Bulletin</i> , 2014, 59, 4758-4762.	1.7	0
21	Curvature effect of SiC nanotubes and sheets for CO ₂ capture and reduction. <i>RSC Advances</i> , 2014, 4, 48994-48999.	1.7	20
22	Adjusting the electronic properties of silicon carbide nanoribbons by introducing edge functionalization. <i>RSC Advances</i> , 2014, 4, 35042-35047.	1.7	17
23	From two-dimension to one-dimension: the curvature effect of silicon-doped graphene and carbon nanotubes for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17479-17486.	1.3	48
24	Influence of background pressure on the microstructure and optical properties of Mo/Si multilayers fabricated by magnetron sputtering. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1689-1693.	2.0	3
25	Deformation mechanism and microstructures on polycrystalline aluminum induced by high-current pulsed electron beam. <i>Science Bulletin</i> , 2013, 58, 2507-2511.	1.7	12
26	Blue photoluminescent Si nanocrystals prepared by high-current pulsed electron beam irradiation. <i>RSC Advances</i> , 2013, 3, 17998.	1.7	3
27	Twinning and dynamic precipitation upon hot compression of a Mg ₈₀ Gd ₂₀ Y ₁ Nd ₁ Zr alloy. <i>Journal of Alloys and Compounds</i> , 2012, 525, 103-109.	2.8	38
28	Microstructure and mechanical properties of extruded Mg ₈₀ Gd ₂₀ Y ₁ Nd ₁ Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7805-7810.	2.6	31
29	Microstructure and mechanical properties of extruded Mg _{6.5} Gd _{1.3} Nd _{0.7} Y _{0.3} Zn alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s508-s512.	1.7	8
30	Structure and mechanical properties of extruded Mg ₈₀ Gd ₂₀ based alloy sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 520, 162-167.	2.6	55