Hui Tang

List of Publications by Year
in descending order

44 papers	1,375 citations	304743 22 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	1826 citing authors

#	Article	IF	Citations
1	Preparation and characterization of HA microflowers coating on AZ31 magnesium alloy by micro-arc oxidation and a solution treatment. Applied Surface Science, 2013, 264, 816-822.	6.1	89
2	Synthesis and properties of hydroxyapatite-containing coating on AZ31 magnesium alloy by micro-arc oxidation. Applied Surface Science, 2017, 400, 391-404.	6.1	89
3	Preparation and characterization of hydroxyapatite containing coating on AZ31 magnesium alloy by micro-arc oxidation. Journal of Alloys and Compounds, 2016, 688, 699-708.	5.5	83
4	Microstructure and corrosion resistance of ceramic coating on carbon steel prepared by plasma electrolytic oxidation. Surface and Coatings Technology, 2010, 204, 1685-1688.	4.8	81
5	Fe3C/helical carbon nanotube hybrid: Facile synthesis and spin-induced enhancement in microwave-absorbing properties. Composites Part B: Engineering, 2016, 107, 51-58.	12.0	76
6	A hydrated NH₄V₃O₈ nanobelt electrode for superior aqueous and quasi-solid-state zinc ion batteries. Journal of Materials Chemistry A, 2019, 7, 23140-23148.	10.3	70
7	Co-Electrodeposited porous PEDOTâ€“CNT microelectrodes for integrated micro-supercapacitors with high energy density, high rate capability, and long cycling life. Nanoscale, 2019, 11, 7761-7770.	5.6	69
8	Multi-layered porous hierarchical TiO2/g-C3N4 hybrid coating for enhanced visible light photocatalysis. Applied Surface Science, 2019, 495, 143435.	6.1	62
9	Oxidation resistance improvement of Zr-4 alloy in 1000â€¯Â°C steam environment using ZrO2/FeCrAl bilayer coating. Surface and Coatings Technology, 2018, 349, 807-815.	4.8	58
10	Boosting the electrochemical performance and reliability of conducting polymer microelectrode via intermediate graphene for on-chip asymmetric micro-supercapacitor. Journal of Energy Chemistry, 2020, 49, 224-232.	12.9	53
11	Recent Advances in Highâ€Performance Microbatteries: Construction, Application, and Perspective. Small, 2020, 16, e2003251.	10.0	48
12	Influence of FeSO4 concentration on thermal emissivity of coatings formed on titanium alloy by micro-arc oxidation. Applied Surface Science, 2011, 257, 10839-10844.	6.1	47
13	Influence of Co(CH3COO)2 concentration on thermal emissivity of coatings formed on titanium alloy by micro-arc oxidation. Current Applied Physics, 2012, 12, 284-290.	2.4	42
14	MOFâ€Derived Niâ€Doped CoS₂ Grown on Carbon Fiber Paper for Efficient Oxygen Evolution Reaction. ChemElectroChem, 2019, 6, 1206-1212.	3.4	42
15	Corrosion behavior of HA containing ceramic coated magnesium alloy in Hank's solution. Journal of Alloys and Compounds, 2017, 698, 643-653.	5.5	41
16	Synthesis of high-purity CuO nanoleaves and analysis of their ethanol gas sensing properties. RSC Advances, 2015, 5, 34788-34794.	3.6	39
17	Synthesis and properties of CaTiO3-containing coating on AZ31 magnesium alloy by micro-arc oxidation. Materials Letters, 2013, 93, 427-430.	2.6	34
18	Improving the Conductivity of Solid Polymer Electrolyte by Grain Reforming. Nanoscale Research Letters, 2020, 15, 122.	5.7	34

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19	Vaporâ€“Dissociationâ€“Solid Growth of Three-Dimensional Graphite-like Capsules with Delicate Morphology and Atomic-level Thickness Control. Crystal Growth and Design, 2016, 16, 5040-5048.	3.0	27
20	Advances in wearable textile-based micro energy storage devices: structuring, application and perspective. Nanoscale Advances, 2021, 3, 6271-6293.	4.6	27
21	Fabrication of hydroxyapatite coatings on AZ31 Mg alloy by micro-arc oxidation coupled with solâ€“gel treatment. RSC Advances, 2018, 8, 12368-12375.	3.6	24
22	In-situ grown flower-like C@SnO2/Cu2O nanosheet clusters on Cu foam as high performance anode for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 856, 158202.	5.5	24
23	Composite coatings of lanthanum-doped fluor-hydroxyapatite and a layer of strontium titanate nanotubes: fabrication, bio-corrosion resistance, cytocompatibility and osteogenic differentiation. Ceramics International, 2018, 44, 16632-16646.	4.8	20
24	Fabrication of nickel-YSZ cermet nanofibers via electrospinning. Journal of Alloys and Compounds, 2017, 693, 1214-1219.	5.5	18
25	In-situ synthesized binder-free flocculent TiO2-x film as anode for lithium-ion batteries. Electrochimica Acta, 2020, 334, 135569.	5.2	15
26	Fabrication and Characterization of Mg(OH)2 Films on AZ31 Magnesium Alloy by Alkali Treatment. International Journal of Electrochemical Science, 2017, 12, 1377-1388.	1.3	15
27	Facile electrochemical fabrication of magnetic Fe3O4 for electrocatalytic synthesis of ammonia used for hydrogen storage application. International Journal of Hydrogen Energy, 2021, 46, 24128-24134.	7.1	14
28	Luminescent properties of a novel Al10O3N8:Eu2+ phosphor by a mechanochemical activation route. Optical Materials, 2015, 42, 511-515.	3.6	13
29	Electrochemically synthesized SnO₂ with tunable oxygen vacancies for efficient electrocatalytic nitrogen fixation. Nanoscale, 2021, 13, 16307-16315.	5.6	13
30	Improved Blueâ€Emitting AlN:Eu²⁺ Phosphors by Alloying with GaN. Journal of the American Ceramic Society, 2015, 98, 3897-3904.	3.8	12
31	Highâ€performance infrared emissivity of microâ€arc oxidation coatings formed on titanium alloy for aerospace applications. International Journal of Applied Ceramic Technology, 2018, 15, 579-591.	2.1	12
32	Enhancement in photoluminescence performance of carbon-decorated T-ZnO. Nanotechnology, 2015, 26, 125705.	2.6	11
33	Cathodic voltage-dependent composition, microstructure and corrosion resistance of plasma electrolytic oxidation coatings formed on Zr-4 alloy. RSC Advances, 2016, 6, 34616-34624.	3.6	11
34	Actuator Fault-Tolerant Control for Four-Wheel-Drive-by-Wire Electric Vehicle. IEEE Transactions on Transportation Electrification, 2022, 8, 2361-2373.	7.8	11
35	Luminescent properties and microstructure of SiC doped AlON: Eu2+ phosphors. Journal of Alloys and Compounds, 2017, 725, 217-226.	5.5	10
36	High-purity Cu nanocrystal synthesis by a dynamic decomposition method. Nanoscale Research Letters, 2014, 9, 2499.	5.7	9

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37	Controllable preparation and synergistically improved catalytic performance of TiC/C hybrid nanofibers via electrospinning for the oxygen reduction reaction. Ceramics International, 2020, 46, 25313-25319.	4.8	8
38	Electrospun Carbon Nanofibers Loaded with Atomic FeN_x/Fe₂O₃ Active Sites for Efficient Oxygen Reduction Reaction in Both Acidic and Alkaline Media. Advanced Materials Interfaces, 2022, 9, .	3.7	7
39	Research on design, fabrication, and properties of Fe2O3@SiO2/CDs/PEG@nSiO2 nanocomposites. Materials Letters, 2019, 235, 39-41.	2.6	6
40	Growth Process and Dielectric Breakdown of Micro Arc Oxidation Coating on AZ31 Mg Alloy Pretreated by Alkali Treatment. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 156-163.	1.1	5
41	Enhanced upconversion luminescence in NaYF₄:Yb, Er nanoparticles by using graphitic carbon shells. Materials Research Express, 2019, 6, 045040.	1.6	4
42	FORMATION OF HA-CONTAINING COATING ON AZ31 MAGNESIUM ALLOY BY MICRO-ARC OXIDATION. Surface Review and Letters, 2013, 20, 1350026.	1.1	2
43	CAN THE OPAQUE PORCELAIN AND DENTIN PORCELAIN BE SUBSTITUTED IN TITANIUMâ€“PORCELAIN PROSTHETIC?. Surface Review and Letters, 2017, 24, 1750037.	1.1	0
44	Structure and Properties of Hydroxyapatite-Containing Ceramic Coatings on AZ31 Mg Alloy Treated with Different Applied Frequencies. Protection of Metals and Physical Chemistry of Surfaces, 2021, 57, 1051-1059.	1.1	0