Ke Zhan

List of Publications by Year
in descending order

40 papers	1,084 citations	430874 18 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	1302 citing authors

#	Article	IF	Citations
1	Tribological Behavior and Corrosion Resistance of S30432 Steel after Different Shot Peening Processes. Journal of Materials Engineering and Performance, 2022, 31, 1250-1258.	2.5	6
2	Effect of CeO2 nanoparticles on the microstructure and properties of the NiCo-CeO2 composite coatings. Vacuum, 2022, 196, 110765.	3.5	18
3	Preparation and mechanism of Cu/GO/Cu laminated composite foils with improved thermal conductivity and mechanical property by architectural design. Journal of Alloys and Compounds, 2022, 904, 164085.	5.5	7
4	Laminated Cu-GO-Cu composite foils with improved mechanical and thermal properties by alternating DC electro-deposition and electrophoresis. Journal of Materials Research and Technology, 2022, 19, 1724-1739.	5.8	5
5	V2O5/vertically-aligned carbon nanotubes as negative electrode for asymmetric supercapacitor in neutral aqueous electrolyte. Journal of Colloid and Interface Science, 2021, 588, 847-856.	9.4	75
6	Preparation of electro-reduced graphene oxide/copper composite foils with simultaneously enhanced thermal and mechanical properties by DC electro-deposition method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140574.	5.6	25
7	Fe₃O₄ nanoplates anchored on Ti₃C₂T_x MXene with enhanced pseudocapacitive and electrocatalytic properties. Nanoscale, 2021, 13, 15343-15351.	5.6	20
8	Controllable synthesis of multidimensional carboxylic acid-based NiFe MOFs as efficient electrocatalysts for oxygen evolution. Materials Chemistry Frontiers, 2021, 5, 7191-7198.	5.9	30
9	Surface characteristic and wear resistance of QT-700-2 nodular cast iron after laser quenching combing with shot peening treatment. Surface and Coatings Technology, 2021, 423, 127589.	4.8	18
10	Fabrication of graphite/Cu composite foils with ultrahigh thermal conductivity by adding an intermediate nickel layer and vacuum hot pressing treatment. Journal of Alloys and Compounds, 2021, 886, 161228.	5.5	15
11	Facile fabrication of GO/Al composites with improved dispersion of graphene and enhanced mechanical properties by Cu doping and powder metallurgy. Journal of Alloys and Compounds, 2020, 815, 152465.	5.5	17
12	Simulations of deformation and fracture of graphene reinforced aluminium matrix nanolaminated composites. Mechanics of Materials, 2020, 142, 103283.	3.2	11
13	Microstructure evolution and residual stress distribution of nanostructured Mg-8Gd-3Y alloy induced by severe shot peening. Surface and Coatings Technology, 2020, 404, 126465.	4.8	20
14	Molybdenumâ€tungsten Oxide Nanowires Rich in Oxygen Vacancies as An Advanced Electrocatalyst for Hydrogen Evolution. Chemistry - an Asian Journal, 2020, 15, 2984-2991.	3.3	14
15	Metalâ€“organic framework-derived hierarchical ultrathin CoP nanosheets for overall water splitting. Journal of Materials Chemistry A, 2020, 8, 19254-19261.	10.3	111
16	Fabrication of Cu/graphite film/Cu sandwich composites with ultrahigh thermal conductivity for thermal management applications. Frontiers of Materials Science, 2020, 14, 188-197.	2.2	8
17	Determination of surface mechanical property and residual stress stability for shot-peened SAF2507 duplex stainless steel by in situ X-ray diffraction stress analysis. Journal of Materials Research and Technology, 2020, 9, 7644-7654.	5.8	21
18	Electroplating titanium film on 316L stainless steel in LiClâ€“KClâ€“Tix+ (2â€‰<â€‰x<3) molten salts. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	1

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19	Fe-Doped Niâ€“Co Phosphide Nanoplates with Planar Defects as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 7436-7444.	6.7	103
20	An approach to prepare uniform graphene oxide/aluminum composite powders by simple electrostatic interaction in water/alcohol solution. Frontiers of Materials Science, 2019, 13, 375-381.	2.2	1
21	Roles of growth mechanisms of Ni deposits on corrosion behaviors of NixAlyTi composite coatings. Applied Surface Science, 2019, 492, 177-188.	6.1	12
22	Ultrasmall Co2P2O7 nanocrystals anchored on nitrogen-doped graphene as efficient electrocatalysts for the oxygen reduction reaction. New Journal of Chemistry, 2019, 43, 6492-6499.	2.8	13
23	Experimental study on macro- and microstress state, microstructural evolution of austenitic and ferritic steel processed by shot peening. Surface and Coatings Technology, 2019, 359, 511-519.	4.8	38
24	Graphene oxide/Al composites with enhanced mechanical properties fabricated by simple electrostatic interaction and powder metallurgy. Journal of Alloys and Compounds, 2019, 775, 233-240.	5.5	39
25	Investigation on microstructure and properties of Al18B4O33 whisker reinforced Al Mg Si matrix composite after shot peening. Vacuum, 2019, 160, 303-310.	3.5	11
26	Millimeterâ€Long Vertically Aligned Carbonâ€Nanotubeâ€Supported Co₃O₄ Composite Electrode for Highâ€Performance Asymmetric Supercapacitor. ChemElectroChem, 2018, 5, 1394-1400.	3.4	32
27	Nitrogen-doped graphene-supported molybdenum dioxide electrocatalysts for oxygen reduction reaction. Journal of Materials Science, 2018, 53, 6124-6134.	3.7	11
28	Bio-inspired design of hierarchical FeP nanostructure arrays for the hydrogen evolution reaction. Nano Research, 2018, 11, 3537-3547.	10.4	78
29	Investigation on microstructure and properties of electrodeposited Ni-Ti-CeO 2 composite coating. Journal of Alloys and Compounds, 2018, 754, 93-104.	5.5	35
30	Quasiâ€Emulsion Confined Synthesis of Edgeâ€Rich Ultrathin MoS₂ Nanosheets/Graphene Hybrid for Enhanced Hydrogen Evolution. Chemistry - A European Journal, 2018, 24, 556-560.	3.3	55
31	Investigation on surface layer characteristics of shot peened graphene reinforced Al composite by X-ray diffraction method. Applied Surface Science, 2018, 435, 1257-1264.	6.1	38
32	Analysis of recrystallization behavior of shot peened graphene reinforced Al composites during isothermal annealing by X-ray diffraction method. Journal of Alloys and Compounds, 2018, 765, 862-868.	5.5	13
33	A two-step approach to synthesis of Co(OH)2/Î³-NiOOH/reduced graphene oxide nanocomposite for high performance supercapacitors. Frontiers of Materials Science, 2018, 12, 273-282.	2.2	3
34	Co(OH)2 nanoflakes grown on 3D graphene foam as a binder-free hybrid electrode for high-performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2017, 28, 7884-7891.	2.2	12
35	Cobalt sulfide supported on nitrogen and sulfur dual-doped reduced graphene oxide for highly active oxygen reduction reaction. RSC Advances, 2017, 7, 50246-50253.	3.6	32
36	Scalable Piezoelectricity in Graphene Oxide Papers Tuned by Hydrogen Bonds. Advanced Electronic Materials, 2016, 2, 1600224.	5.1	14

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37	Fe₂O₃-decorated millimeter-long vertically aligned carbon nanotube arrays as advanced anode materials for asymmetric supercapacitors with high energy and power densities. Journal of Materials Chemistry A, 2016, 4, 19026-19036.	10.3	62
38	Co-supported catalysts on nitrogen and sulfur co-doped vertically-aligned carbon nanotubes for oxygen reduction reaction. RSC Advances, 2016, 6, 32676-32684.	3.6	7
39	The recrystallization behavior of surface deformation layer of (TiB+TiC)/Tiâ€“6Alâ€“4V composite during isothermal annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 530, 239-243.	5.6	8
40	Investigation on the residual stress and microstructure of (TiB+TiC)/Tiâ€“6Alâ€“4V composite after shot peening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3423-3427.	5.6	44