

Ke Zhan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2157335/publications.pdf>

Version: 2024-02-01

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	Metal-organic framework-derived hierarchical ultrathin CoP nanosheets for overall water splitting. Journal of Materials Chemistry A, 2020, 8, 19254-19261.	10.3	111
2	Fe-Doped Ni-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
3	Bio-inspired design of hierarchical FeP nanostructure arrays for the hydrogen evolution reaction. Nano Research, 2018, 11, 3537-3547.	10.4	78
4	V ₂ O ₅ /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
5	Fe ₂ O ₃ -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
6	Quasi-Emulsion Confined Synthesis of Edge-Rich Ultrathin MoS ₂ Nanosheets/Graphene Hybrid for Enhanced Hydrogen Evolution. Chemistry - A European Journal, 2018, 24, 556-560.	3.3	55
7	Investigation on the residual stress and microstructure of (TiB+TiC)/Ti ₆ Al ₄ V composite after shot peening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3423-3427.	5.6	44
8	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
9	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
10	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
11	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
12	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
13	Millimeter-Long Vertically Aligned Carbon-Nanotube-Supported Co ₃ O ₄ Composite Electrode for High-Performance Asymmetric Supercapacitor. ChemElectroChem, 2018, 5, 1394-1400.	3.4	32
14	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
15	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
16	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
17	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
18	Fe ₃ O ₄ nanoplates anchored on Ti ₃ C ₂ T _x MXene with enhanced pseudocapacitive and electrocatalytic properties. Nanoscale, 2021, 13, 15343-15351.	5.6	20

#	ARTICLE	IF	CITATIONS
19	Surface characteristic and wear resistance of QT-700-2 nodular cast iron after laser quenching combing with shot peening treatment. <i>Surface and Coatings Technology</i> , 2021, 423, 127589.	4.8	18
20	Effect of CeO ₂ nanoparticles on the microstructure and properties of the NiCo-CeO ₂ composite coatings. <i>Vacuum</i> , 2022, 196, 110765.	3.5	18
21	Facile fabrication of GO/Al composites with improved dispersion of graphene and enhanced mechanical properties by Cu doping and powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152465.	5.5	17
22	Fabrication of graphite/Cu composite foils with ultrahigh thermal conductivity by adding an intermediate nickel layer and vacuum hot pressing treatment. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161228.	5.5	15
23	Scalable Piezoelectricity in Graphene Oxide Papers Tuned by Hydrogen Bonds. <i>Advanced Electronic Materials</i> , 2016, 2, 1600224.	5.1	14
24	Molybdenum Tungsten Oxide Nanowires Rich in Oxygen Vacancies as An Advanced Electrocatalyst for Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2984-2991.	3.3	14
25	Analysis of recrystallization behavior of shot peened graphene reinforced Al composites during isothermal annealing by X-ray diffraction method. <i>Journal of Alloys and Compounds</i> , 2018, 765, 862-868.	5.5	13
26	Ultrasmall Co ₂ P ₂ O ₇ nanocrystals anchored on nitrogen-doped graphene as efficient electrocatalysts for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2019, 43, 6492-6499.	2.8	13
27	Co(OH) ₂ nanoflakes grown on 3D graphene foam as a binder-free hybrid electrode for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7884-7891.	2.2	12
28	Roles of growth mechanisms of Ni deposits on corrosion behaviors of Ni _x Al _y Ti composite coatings. <i>Applied Surface Science</i> , 2019, 492, 177-188.	6.1	12
29	Nitrogen-doped graphene-supported molybdenum dioxide electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Science</i> , 2018, 53, 6124-6134.	3.7	11
30	Investigation on microstructure and properties of Al ₁₈ B ₄ O ₃₃ whisker reinforced Al Mg Si matrix composite after shot peening. <i>Vacuum</i> , 2019, 160, 303-310.	3.5	11
31	Simulations of deformation and fracture of graphene reinforced aluminium matrix nanolaminated composites. <i>Mechanics of Materials</i> , 2020, 142, 103283.	3.2	11
32	The recrystallization behavior of surface deformation layer of (TiB+TiC)/Ti-6Al-4V composite during isothermal annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 530, 239-243.	5.6	8
33	Fabrication of Cu/graphite film/Cu sandwich composites with ultrahigh thermal conductivity for thermal management applications. <i>Frontiers of Materials Science</i> , 2020, 14, 188-197.	2.2	8
34	Co-supported catalysts on nitrogen and sulfur co-doped vertically-aligned carbon nanotubes for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 32676-32684.	3.6	7
35	Preparation and mechanism of Cu/GO/Cu laminated composite foils with improved thermal conductivity and mechanical property by architectural design. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164085.	5.5	7
36	Tribological Behavior and Corrosion Resistance of S30432 Steel after Different Shot Peening Processes. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1250-1258.	2.5	6

#	ARTICLE	IF	CITATIONS
37	Laminated Cu-GO-Cu composite foils with improved mechanical and thermal properties by alternating DC electro-deposition and electrophoresis. <i>Journal of Materials Research and Technology</i> , 2022, 19, 1724-1739.	5.8	5
38	A two-step approach to synthesis of Co(OH) ₂ /NiOOH/reduced graphene oxide nanocomposite for high performance supercapacitors. <i>Frontiers of Materials Science</i> , 2018, 12, 273-282.	2.2	3
39	An approach to prepare uniform graphene oxide/aluminum composite powders by simple electrostatic interaction in water/alcohol solution. <i>Frontiers of Materials Science</i> , 2019, 13, 375-381.	2.2	1
40	Electroplating titanium film on 316L stainless steel in LiCl-KCl-Ti _x + (2x+3) molten salts. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	3.4	1