

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	3,895 citations	27 h-index	59 g-index
59 ext. papers	4,473 ext. citations	6.6 avg, IF	5.66 L-index

#	Paper	IF	Citations
58	A metal-organic framework-derived bifunctional oxygen electrocatalyst. <i>Nature Energy</i> , 2016 , 1,	62.3	1622
57	Recent progress on graphene-based hybrid electrocatalysts. <i>Materials Horizons</i> , 2014 , 1, 379-399	14.4	277
56	N, O-codoped hierarchical porous carbons derived from algae for high-capacity supercapacitors and battery anodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5973-5983	13	206
55	Counter electrodes from double-layered polyaniline nanostructures for dye-sensitized solar cell applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 317-323	13	146
54	New Gold Nanostructures for Sensor Applications: A Review. <i>Materials</i> , 2014 , 7, 5169-5201	3.5	133
53	Two-dimensional biomass-derived carbon nanosheets and MnO/carbon electrodes for high-performance Li-ion capacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15243-15252	13	110
52	Nitrogen-containing ultramicroporous carbon nanospheres for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2016 , 205, 132-141	6.7	109
51	Cobalt oxide-carbon nanosheet nanoarchitecture as an anode for high-performance lithium-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2882-90	9.5	92
50	Extremely high-rate aqueous supercapacitor fabricated using doped carbon nanoflakes with large surface area and mesopores at near-commercial mass loading. <i>Nano Research</i> , 2017 , 10, 1767-1783	10	88
49	Influence of inclusions on initiation of pitting corrosion and stress corrosion cracking of X70 steel in near-neutral pH environment. <i>Corrosion Science</i> , 2019 , 147, 108-127	6.8	88
48	Electrochemical corrosion, hydrogen permeation and stress corrosion cracking behavior of E690 steel in thiosulfate-containing artificial seawater. <i>Corrosion Science</i> , 2018 , 144, 145-162	6.8	75
47	Self-doped carbon architectures with heteroatoms containing nitrogen, oxygen and sulfur as high-performance anodes for lithium- and sodium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 251, 396-406	6.7	74
46	Graphdiyne Containing Atomically Precise N Atoms for Efficient Anchoring of Lithium Ion. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2608-2617	9.5	66
45	Microstructure and electrochemical behavior of cerium conversion coating modified with silane agent on magnesium substrates. <i>Applied Surface Science</i> , 2016 , 376, 161-171	6.7	62
44	High energy supercapacitors based on interconnected porous carbon nanosheets with ionic liquid electrolyte. <i>Microporous and Mesoporous Materials</i> , 2017 , 241, 202-209	5.3	50
43	Corrosion behavior of AZ31 magnesium alloy in the chloride solution containing ammonium nitrate. <i>Electrochimica Acta</i> , 2018 , 278, 421-437	6.7	49
42	Pitting behavior of SLM 316L stainless steel exposed to chloride environments with different aggressiveness: Pitting mechanism induced by gas pores. <i>Corrosion Science</i> , 2020 , 167, 108520	6.8	43

41	Tunable radio-frequency negative permittivity in nickel-alumina natural meta-composites. <i>Applied Physics Letters</i> , 2014 , 104, 252908	3.4	41
40	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. <i>ACS Nano</i> , 2016 , 10, 5096-103	16.7	39
39	Tuning the morphology and structure of nanocarbons with activating agents for ultrafast ionic liquid-based supercapacitors. <i>Journal of Power Sources</i> , 2017 , 361, 182-194	8.9	37
38	Ultra low percolation threshold and significantly enhanced permittivity in porous metal-ceramic composites. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6752	7.1	35
37	The effect of sub-grain structure on intergranular corrosion of 316L stainless steel fabricated via selective laser melting. <i>Materials Letters</i> , 2019 , 243, 157-160	3.3	35
36	Enhanced proton conductivity from phosphoric acid-imbibed crosslinked 3D polyacrylamide frameworks for high-temperature proton exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 1016-1026	6.7	32
35	Nitrogen-doped porous carbons derived from a natural polysaccharide for multiple energy storage devices. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 381-391	5.8	31
34	"Electron-Sharing" Mechanism Promotes Co@CoO/CNTs Composite as the High-Capacity Anode Material of Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43641-43649	9.5	31
33	Percolative silver/alumina composites with radio frequency dielectric resonance-induced negative permittivity. <i>RSC Advances</i> , 2015 , 5, 107307-107312	3.7	30
32	Fluorine-Enriched Graphdiyne as an Efficient Anode in Lithium-Ion Capacitors. <i>ChemSusChem</i> , 2019 , 12, 1342-1348	8.3	29
31	High-energy sodium-ion capacitor assembled by hierarchical porous carbon electrodes derived from Enteromorpha. <i>Journal of Materials Science</i> , 2018 , 53, 6763-6773	4.3	25
30	Incorporation of H ₃ PO ₄ into three-dimensional polyacrylamide-graft-starch hydrogel frameworks for robust high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 4447-4458	6.7	19
29	Synthesis and characterization of LaPO ₄ powder heat treated at various temperatures. <i>Materials Chemistry and Physics</i> , 2010 , 122, 49-52	4.4	19
28	Sorghum core-derived carbon sheets as electrodes for a lithium-ion capacitor. <i>RSC Advances</i> , 2017 , 7, 17178-17183	3.7	16
27	Surface characterization of growth process for cerium conversion coating on magnesium alloy and its anticorrosion mechanism. <i>Surface and Interface Analysis</i> , 2014 , 46, 556-563	1.5	16
26	Density functional theory calculations of structural, electronic and optical properties of LaPO ₄ :Eu. <i>Optical Materials</i> , 2014 , 36, 1506-1510	3.3	14
25	Coupled cobalt oxide/hollow carbon sphere as an efficient electrocatalyst for the oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 34159-34164	3.7	14
24	Ni/Al ₂ O ₃ /epoxy high-k composites with ultralow nickel content towards high-performance dielectric applications. <i>RSC Advances</i> , 2016 , 6, 43429-43435	3.7	13

- 23 Preparation and characterization of Ce-silane-ZrO₂ composite coatings on 1060 aluminum. *Transactions of Nonferrous Metals Society of China*, **2014**, 24, 1474-1480 3.3 12
- 22 Synthesis and characterization of LaPO₄-coated γ -Al₂O₃ powders. *Ceramics International*, **2009**, 35, 897-900 12
- 21 Gold Nanoparticle-Based Colorimetric and Electrochemical Methods for Dipeptidyl Peptidase-IV Activity Assay and Inhibitor Screening. *Materials*, **2016**, 9, 3.5 12
- 20 A hybrid composite catalyst of Fe₃O₄ nanoparticles-based carbon for electrochemical reduction of oxygen. *New Journal of Chemistry*, **2017**, 41, 4959-4965 3.6 11
- 19 Pathway into the silicon nucleation on silicene substrate at nanoscale. *Materials and Design*, **2015**, 85, 60-66 8.1 11
- 18 Optoelectronic Properties and the Electrical Stability of Ga-Doped ZnO Thin Films Prepared via Radio Frequency Sputtering. *Materials*, **2016**, 9, 3.5 10
- 17 The corrosion behavior of Ti6Al4V fabricated by selective laser melting in the artificial saliva with different fluoride concentrations and pH values. *Corrosion Science*, **2021**, 179, 109097 6.8 10
- 16 Molecular dynamics study on the nucleation of Al-Si melts on sheet substrates at the nanoscale. *Nanoscale*, **2016**, 8, 4520-8 7.7 8
- 15 Investigation of optoelectronic performance in In, Ga co-doped ZnO thin films with various In and Ga levels. *Thin Solid Films*, **2017**, 641, 12-18 2.2 7
- 14 Facile fabrication of hydrophobic polysiloxane coatings for protection of AZ31 magnesium alloy. *Journal of Materials Science*, **2019**, 54, 9759-9774 4.3 7
- 13 Mesoporous titanium dioxide nanobelts: Synthesis, morphology evolution, and photocatalytic properties. *Journal of Materials Research*, **2012**, 27, 2265-2270 2.5 5
- 12 Siloxane-epoxy composite coatings for enhanced resistance to large temperature variations. *Progress in Organic Coatings*, **2020**, 139, 105457 4.8 4
- 11 Morphology and microstructure evolution of solid-state phase transition of LaPO₄: Experimental and theoretical investigations. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 228, 234-240 3.1 3
- 10 Effects of pH value on growth morphology of LaPO₄ nanocrystals: investigated from experiment and theoretical calculations. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1 2.6 2
- 9 Mesoporous silica-coating of gold nanorods by a templated method. *Ceramics International*, **2014**, 40, 15083-15088 5.1 2
- 8 Effect of surface chemistry on morphology evolution of LaPO₄: Experiment and density functional theory calculations. *Computational Materials Science*, **2017**, 127, 22-28 3.2 2
- 7 The influence of sodium lauryl sulfate on the crystal phases of titania by hydrothermal method. *Applied Physics A: Materials Science and Processing*, **2012**, 109, 279-284 2.6 2
- 6 Stress Corrosion Cracking Behavior of 2024 and 7075 High-Strength Aluminum Alloys in a Simulated Marine Atmosphere Contaminated with SO₂. *Journal of Materials Engineering and Performance*, **2020**, 29, 410-422 1.6 2

5	Effect of Compositions, Crystal Structures and Morphologies on Photo-Luminescent Property of LaPO ₄ :Gd ³⁺ . <i>Materials Science Forum</i> , 2016 , 848, 413-418	0.4	2
4	Enhanced proton conductivity from phosphoric acid-incorporated 3D polyacrylamide-graft-starch hydrogel materials for high-temperature proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
3	Anticorrosion behavior of superhydrophobic particles reinforced epoxy coatings for long-time in the high salinity liquid. <i>Progress in Organic Coatings</i> , 2020 , 147, 105867	4.8	1
2	Corrosion Evolution of High-Strength Aluminum Alloys in the Simulated Service Environment of Amphibious Aircraft in the Presence of Chloride and Bisulfite. <i>Acta Metallurgica Sinica (English Letters)</i> , 1	2.5	1
1	Anticorrosion behavior of organic offshore coating systems in UV, salt spray and low temperature alternation simulated Arctic offshore environment. <i>Materials Today Communications</i> , 2021 , 28, 102545	2.5	1