

Jiaqian Qin

List of Publications by Year in Descending Order

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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.

164
papers

5,115
citations

36
h-index

66
g-index

172
ext. papers

6,856
ext. citations

6.1
avg. IF

6.31
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 164 | Theoretical screening of highly efficient single-atom catalysts for nitrogen reduction based on a defective C3N monolayer. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 5292-5306 | 6.7 | 1 |
| 163 | Non-invasive electrochemical immunosensor for sweat cortisol based on L-cys/AuNPs/ MXene modified thread electrode.. <i>Biosensors and Bioelectronics</i> , 2022 , 203, 114039 | 11.8 | 11 |
| 162 | Boosting visible-light hydrogen evolution on CdS hollow nanospheres with CoN as cocatalyst. <i>Fuel</i> , 2022 , 316, 123307 | 7.1 | 3 |
| 161 | A long-standing polarized electric field in TiO2@BaTiO3/CdS nanocomposite for effective photocatalytic hydrogen evolution. <i>Fuel</i> , 2022 , 314, 122758 | 7.1 | 4 |
| 160 | Rational design of fly ash-based composites for sustainable lithium-ion battery anodes. <i>Electrochimica Acta</i> , 2022 , 410, 140035 | 6.7 | 2 |
| 159 | Recent advances in oxygen electrocatalysts based on tunable structural polymers. <i>Materials Today Chemistry</i> , 2022 , 23, 100632 | 6.2 | 5 |
| 158 | Regulating solvation structure to stabilize zinc anode by fastening the free water molecules with an inorganic colloidal electrolyte. <i>Nano Energy</i> , 2022 , 93, 106839 | 17.1 | 13 |
| 157 | Occurrences and removal of pharmaceutical and personal care products from aquatic systems using advanced treatment- A review. <i>Environmental Research</i> , 2022 , 204, 112298 | 7.9 | 7 |
| 156 | Architecting Nb-TiO 2x / (Ti 0.9 Nb 0.1) 3 C 2 T x MXene Nanohybrid Anode for High-Performance Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101658 | 4.6 | 1 |
| 155 | Polypyrrole nanoparticles embedded nitrogen-doped graphene composites as novel cathode for long life cycles and high-power zinc-ion hybrid supercapacitors.. <i>RSC Advances</i> , 2021 , 11, 35205-35214 | 3.7 | 3 |
| 154 | Potential Applications of Graphene-Based Nanomaterials in Biomedical, Dental, and Implant Applications 2021 , 77-105 | | 1 |
| 153 | Stabilizing zinc anode via a chelation and desolvation electrolyte additive 2021 , | | 23 |
| 152 | Nanoflower-like Ti3CN@TiO2/CdS heterojunction photocatalyst for efficient photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , | 6.7 | 2 |
| 151 | A self-sacrifice template strategy to synthesize Co-LDH/MXene for lithium-ion batteries. <i>Chemical Communications</i> , 2021 , 57, 11378-11381 | 5.8 | 3 |
| 150 | TiO/MXene-PVA/GO hydrogel-based electrochemical sensor for neurological disorder screening via urinary norepinephrine detection. <i>Mikrochimica Acta</i> , 2021 , 188, 387 | 5.8 | 6 |
| 149 | Transition metal atom doped Ni3S2 as efficient bifunctional electrocatalysts for overall water splitting: Design strategy from DFT studies. <i>Molecular Catalysis</i> , 2021 , 516, 111955 | 3.3 | 0 |
| 148 | Elimination of Zinc Dendrites by Graphene Oxide Electrolyte Additive for Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4602-4609 | 6.1 | 21 |

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| 147 | A new 3D composite of V ₂ O ₅ -based biodegradable ceramic material prepared by an environmentally friendly thermal method for supercapacitor applications. <i>Environmental Technology and Innovation</i> , 2021 , 22, 101474 | 7 | 6 |
| 146 | Oxygen defect enriched (NH ₄) ₂ V ₁₀ O ₂₅ ·BH ₂ O nanosheets for superior aqueous zinc-ion batteries. <i>Nano Energy</i> , 2021 , 84, 105876 | 17.1 | 59 |
| 145 | Manipulating Crystallographic Orientation of Zinc Deposition for Dendrite-free Zinc Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101299 | 21.8 | 77 |
| 144 | New Insight into the Electrocatalysis of Ni-Rich Trimetallic NCM-Based Hydroxides for Water Oxidation. <i>ACS Applied Energy Materials</i> , 2021 , 4, 6520-6530 | 6.1 | 1 |
| 143 | Biofilm inhibition and bactericidal activity of NiTi alloy coated with graphene oxide/silver nanoparticles via electrophoretic deposition. <i>Scientific Reports</i> , 2021 , 11, 14008 | 4.9 | 6 |
| 142 | TMN ₄ complex embedded graphene as bifunctional electrocatalysts for high efficiency OER/ORR. <i>Journal of Energy Chemistry</i> , 2021 , 55, 437-443 | 12 | 36 |
| 141 | Anchoring Mo on C ₉ N ₄ monolayers as an efficient single atom catalyst for nitrogen fixation. <i>Journal of Energy Chemistry</i> , 2021 , 57, 443-450 | 12 | 10 |
| 140 | Stress-induced phase stabilization and transformation in equiatomic CuZr B ₁₉ martensite: A DFT study. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 157906 | 5.7 | 1 |
| 139 | High-throughput identification of high activity and selectivity transition metal single-atom catalysts for nitrogen reduction. <i>Nano Energy</i> , 2021 , 80, 105527 | 17.1 | 23 |
| 138 | Ni ₃ S ₂ Nanoparticles Anchored on d-Ti ₃ C ₂ Nanosheets with Enhanced Sodium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2593-2599 | 6.1 | 7 |
| 137 | Two Birds with One Stone: Boosting Zinc-Ion Insertion/Extraction Kinetics and Suppressing Vanadium Dissolution of VO via La Incorporation Enable Advanced Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38416-38424 | 9.5 | 15 |
| 136 | Ti ₃ C ₂ MXene-Encapsulated NiFe-LDH Hybrid Anode for High-Performance Lithium-Ion Batteries and Capacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7821-7828 | 6.1 | 13 |
| 135 | Ultrarapid synthesis Ni-Cu bifunctional electrocatalyst by self-etching electrodeposition for high-performance water splitting reaction. <i>Applied Surface Science</i> , 2021 , 561, 150030 | 6.7 | 4 |
| 134 | Revealing the impacts of oxygen defects on Zn ²⁺ storage performance in V ₂ O ₅ . <i>Materials Today Energy</i> , 2021 , 21, 100824 | 7 | 10 |
| 133 | A facile template synthesis of phosphorus-doped graphitic carbon nitride hollow structures with high photocatalytic hydrogen production activity. <i>Materials Chemistry and Physics</i> , 2021 , 275, 125299 | 4.4 | 3 |
| 132 | Modulating Zn deposition via ceramic-cellulose separator with interfacial polarization effect for durable zinc anode. <i>Nano Energy</i> , 2021 , 89, 106322 | 17.1 | 38 |
| 131 | Transition metal single-atom anchored g-CN monolayer for constructing high-activity multifunctional electrocatalyst. <i>Applied Surface Science</i> , 2021 , 565, 150547 | 6.7 | 5 |
| 130 | Strongly coupled tungsten oxide/carbide heterogeneous hybrid for ultrastable aqueous rocking-chair zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 426, 131893 | 14.7 | 11 |

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| 129 | High-throughput screening of single metal atom anchored on N-doped boron phosphide for N reduction. <i>Nanoscale</i> , 2021 , 13, 13437-13450 | 7.7 | 1 |
| 128 | Modification of Titanium Alloys for Dental Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 51-82 | 0.8 | 1 |
| 127 | Flower-like W/WO as a novel cathode for aqueous zinc-ion batteries. <i>Chemical Communications</i> , 2021 , 57, 7549-7552 | 5.8 | 5 |
| 126 | Inhibition of Manganese Dissolution in Mn ₂ O ₃ Cathode with Controllable Ni ²⁺ Incorporation for High-Performance Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2009412 | 15.6 | 54 |
| 125 | High-Performance and Binder-Free Anodized ZrTiAlV Alloy Anode Material for Lithium Ion Microbatteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11326-11332 | 6.1 | 1 |
| 124 | Nanosized Titania-Nickel mixed oxide for visible light photocatalytic activity. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113328 | 6 | 5 |
| 123 | NiMn Layered Double Hydroxide Nanosheets In-situ Anchored on Ti ₃ C ₂ MXene via Chemical Bonds for Superior Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5949-5964 | 6.1 | 53 |
| 122 | Eco-Friendly Conductive Cotton-Based Textile Electrodes Using Silver- and Carbon-Coated Fabrics for Advanced Flexible Supercapacitors. <i>Energy & Fuels</i> , 2020 , 34, 8977-8986 | 4.1 | 15 |
| 121 | Synthesis of nickel hydroxide/delaminated-Ti ₃ C ₂ MXene nanosheets as promising anode material for high performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155812 | 5.7 | 23 |
| 120 | Tuning of metal oxides photocatalytic performance using Ag nanoparticles integration. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113588 | 6 | 225 |
| 119 | NiCo-LDH/Ti ₃ C ₂ MXene hybrid materials for lithium ion battery with high-rate capability and long cycle life. <i>Journal of Energy Chemistry</i> , 2020 , 50, 143-153 | 12 | 51 |
| 118 | A liquid chromatography-tandem mass spectrometry (LC-MS/MS)-based assay to profile 20 plasma steroids in endocrine disorders. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1477-1487 | 5.9 | 15 |
| 117 | Corrosion Resistance of Graphene oxide/Silver Coatings on Ni-Ti alloy and Expression of IL-6 and IL-8 in Human Oral Fibroblasts. <i>Scientific Reports</i> , 2020 , 10, 3247 | 4.9 | 24 |
| 116 | Strain stiffening, high load-invariant hardness, and electronic anomalies of boron phosphide under pressure. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 14 |
| 115 | Constructing MoS ₂ /g-C ₃ N ₄ heterojunction with enhanced oxygen evolution reaction activity: A theoretical insight. <i>Applied Surface Science</i> , 2020 , 510, 145489 | 6.7 | 30 |
| 114 | Vacancy mediated alloying strengthening effects on Al/Al ₃ Zr interface and stabilization of L12-Al ₃ Zr: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2020 , 825, 153825 | 5.7 | 3 |
| 113 | Ionic Liquid-Based Electrolytes for Energy Storage Devices: A Brief Review on Their Limits and Applications. <i>Polymers</i> , 2020 , 12, | 4.5 | 61 |
| 112 | Spatial Separation of Charge Carriers via Heterogeneous Structural Defects in Graphitic Carbon Nitride for Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4428-4436 | 5.6 | 14 |

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| 111 | Photosynthesis of H ₂ and its storage on the Bandgap Engineered Mesoporous (Ni ²⁺ /Ni ³⁺)O @ TiO ₂ heterostructure. <i>Journal of Power Sources</i> , 2020 , 466, 228305 | 8.9 | 8 |
| 110 | Exploring the effects of solute segregation on the strength of Zr {101□1} grain boundary: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2020 , 812, 152153 | 5.7 | 5 |
| 109 | Synthesis of hierarchical structured rare earth metal doped Co ₃ O ₄ by polymer combustion method for high performance electrochemical supercapacitor electrode materials. <i>Ionics</i> , 2020 , 26, 2051-2061 | 2.7 | 27 |
| 108 | Atomic diffusion mediated by vacancy defects in L1 ₂ -Zr ₃ Al: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153223 | 5.7 | 1 |
| 107 | Mechanochemical reactions of MnO ₂ and graphite nanosheets as a durable zinc ion battery cathode. <i>Applied Surface Science</i> , 2020 , 534, 147630 | 6.7 | 45 |
| 106 | Hardness and tribological properties of co-electrodeposited Ni-W-B/B coatings. <i>Surface and Coatings Technology</i> , 2020 , 402, 126313 | 4.4 | 3 |
| 105 | NiMn-Layered Double Hydroxides Chemically Anchored on Ti ₃ C ₂ MXene for Superior Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11119-11130 | 6.1 | 21 |
| 104 | Ni-Co Double Hydroxide Grown on Graphene Oxide for Enhancing Lithium Ion Storage. <i>Energy & Fuels</i> , 2020 , 34, 13032-13037 | 4.1 | 12 |
| 103 | Controlling the strength of Zr (10 1□2) grain boundary by nonmetallic impurities doping: A DFT study. <i>Journal of Materials Science and Technology</i> , 2020 , 36, 140-148 | 9.1 | 2 |
| 102 | NiCoP nanoleaves array for electrocatalytic alkaline H ₂ evolution and overall water splitting. <i>Journal of Energy Chemistry</i> , 2020 , 50, 395-401 | 12 | 64 |
| 101 | Vanadium-Based Oxide on Two-Dimensional Vanadium Carbide MXene (V ₂ O _x @V ₂ CT _x) as Cathode for Rechargeable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4677-4689 | 6.1 | 61 |
| 100 | A universal and facile approach to suppress dendrite formation for a Zn and Li metal anode. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9331-9344 | 13 | 62 |
| 99 | Heterostructures of mesoporous TiO and SnO nanocatalyst for improved electrochemical oxidation ability of vitamin B ₆ in pharmaceutical tablets. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 45-53 | 9.3 | 23 |
| 98 | Visible Light-Driven Photocatalytic H ₂ Generation and Mechanism Insights into Bi ₂ O ₂ CO ₃ /G-C ₃ N ₄ Z-Scheme Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 4795-4804 | 3.8 | 53 |
| 97 | Charge Engineering of MoC@Defect-Rich N-Doped Carbon Nanosheets for Efficient Electrocatalytic H Evolution. <i>Nano-Micro Letters</i> , 2019 , 11, 45 | 19.5 | 68 |
| 96 | Nanosized Fe ₃ O ₄ incorporated on a TiO ₂ surface for the enhanced photocatalytic degradation of organic pollutants. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110967 | 6 | 29 |
| 95 | Effect of diamond particles on the microstructure and composition of pulse plated multilayer Ni-W/diamond composite coatings. <i>MATEC Web of Conferences</i> , 2019 , 277, 03002 | 0.3 | |
| 94 | Influence of Co Ions on the Microstructure and Mechanical Properties of Ni-W/Diamond Nano-Composite Coatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4083-4089 | 1.3 | 3 |

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| 93 | Graphene Oxide/Silver Nanoparticle Coating Produced by Electrophoretic Deposition Improved the Mechanical and Tribological Properties of NiTi Alloy for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3804-3810 | 1.3 | 15 |
| 92 | Heterogeneous structural defects to prompt charge shuttle in g-C ₃ N ₄ plane for boosting visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118094 | 21.8 | 46 |
| 91 | SiC _x /TiC _x Nanostructured Material from Ti ₃ SiC ₂ for High Rate Performance of Lithium Storage. <i>ChemistrySelect</i> , 2019 , 4, 7766-7772 | 1.8 | 3 |
| 90 | A nanocomposite prepared from platinum particles, polyaniline and a TiC MXene for amperometric sensing of hydrogen peroxide and lactate. <i>Mikrochimica Acta</i> , 2019 , 186, 752 | 5.8 | 42 |
| 89 | Surface Adhesion Properties and Cytotoxicity of Graphene Oxide Coatings and Graphene Oxide/Silver Nanocomposite Coatings on Biomedical NiTi Alloy. <i>Science of Advanced Materials</i> , 2019 , 11, 1474-1487 | 2.3 | 9 |
| 88 | Preparation of MXene/N, S doped graphene electrode for supercapacitor application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 600, 012008 | 0.4 | 3 |
| 87 | Revealing Ni-based layered double hydroxides as high-efficiency electrocatalysts for the oxygen evolution reaction: a DFT study. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23091-23097 | 13 | 35 |
| 86 | Effect of oxygen concentration on the tension and shear strength of Zr-O system: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 919-928 | 5.7 | 6 |
| 85 | Facile synthesis of graphene-AgVO ₃ nanocomposite with excellent supercapacitor performance. <i>Materials Chemistry and Physics</i> , 2018 , 212, 30-34 | 4.4 | 10 |
| 84 | One-pot method to synthesis polyaniline wrapped graphene aerogel/silver nanoparticle composites for solid-state supercapacitor devices. <i>Materials Letters</i> , 2018 , 217, 104-108 | 3.3 | 17 |
| 83 | Polymeric materials and films in dentistry: An overview. <i>Journal of Advanced Research</i> , 2018 , 14, 25-34 | 13 | 65 |
| 82 | Structural, elastic and anisotropic properties of CuZr from first-principles calculations. <i>Materials Chemistry and Physics</i> , 2018 , 203, 166-172 | 4.4 | 3 |
| 81 | Facile synthesis of a ZnO-BiOI p-n nano-heterojunction with excellent visible-light photocatalytic activity. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 789-800 | 3 | 16 |
| 80 | Effects of iron content on the microstructure and corrosion behavior of Ti-30Zr-5Al-3V-xFe alloys. <i>Materials Chemistry and Physics</i> , 2018 , 218, 87-97 | 4.4 | 6 |
| 79 | Fabrication of hierarchical porous ZnO/NiO hollow microspheres for adsorptive removal of Congo red. <i>Applied Surface Science</i> , 2018 , 435, 1002-1010 | 6.7 | 56 |
| 78 | Improving the microstructure and mechanical properties of Zr-Ti alloy by nickel addition. <i>Journal of Alloys and Compounds</i> , 2018 , 737, 405-411 | 5.7 | 12 |
| 77 | Microstructures and photocatalytic properties of ZnO films fabricated by Zn electrodeposition and heat treatment. <i>Materials Science in Semiconductor Processing</i> , 2018 , 74, 232-237 | 4.3 | 13 |
| 76 | Thermal behaviour of calcite-structure carbonates: a powder X-ray diffraction study between 83 and 618 K. <i>European Journal of Mineralogy</i> , 2018 , 30, 939-949 | 2.2 | 6 |

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|----|---|------|-----|
| 75 | Rational design and synthesis of SiC/TiC@SiO/TiO porous core-shell nanostructure with excellent Li-ion storage performance. <i>Chemical Communications</i> , 2018 , 54, 12622-12625 | 5.8 | 7 |
| 74 | Enhancement of Hydrogen Evolution Reaction Performance of Graphitic Carbon Nitride with Incorporated Nickel Boride. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16198-16204 | 8.3 | 25 |
| 73 | ZnO@graphene nanocomposite modified electrode for sensitive and simultaneous detection of Cd (II) and Pb (II). <i>Synthetic Metals</i> , 2018 , 245, 251-259 | 3.6 | 36 |
| 72 | Effect of Zr addition on the microstructure and tribological property of the anodization of Ti-6Al-4V alloy. <i>Surface and Coatings Technology</i> , 2018 , 356, 38-48 | 4.4 | 14 |
| 71 | Heterostructured d-Ti C /TiO g-C N Nanocomposites with Enhanced Visible-Light Photocatalytic Hydrogen Production Activity. <i>ChemSusChem</i> , 2018 , 11, 4226-4236 | 8.3 | 84 |
| 70 | Mechanochemical synthesis of Ag/TiO ₂ for photocatalytic methyl orange degradation and hydrogen production. <i>Chemical Engineering Research and Design</i> , 2018 , 120, 339-347 | 5.5 | 74 |
| 69 | Facile Electrodeposition of Ni-Cu-P Dendrite Nanotube Films with Enhanced Hydrogen Evolution Reaction Activity and Durability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35224-35233 | 9.5 | 44 |
| 68 | WS and C-TiO Nanorods Acting as Effective Charge Separators on g-C N to Boost Visible-Light Activated Hydrogen Production from Seawater. <i>ChemSusChem</i> , 2018 , 11, 4077-4085 | 8.3 | 50 |
| 67 | Insights into the Li ⁺ storage mechanism of TiC@C-TiO ₂ core-shell nanostructures as high performance anodes. <i>Nano Energy</i> , 2018 , 50, 25-34 | 17.1 | 35 |
| 66 | Degradation of azo dyes under different wavelengths of UV light with chitosan-SnO ₂ nanocomposites. <i>Journal of Molecular Liquids</i> , 2017 , 232, 423-430 | 6 | 78 |
| 65 | Porous carbon-doped TiO ₂ on TiC nanostructures for enhanced photocatalytic hydrogen production under visible light. <i>Journal of Catalysis</i> , 2017 , 347, 36-44 | 7.3 | 67 |
| 64 | Two-dimensional porous sheet-like carbon-doped ZnO/g-C ₃ N ₄ nanocomposite with high visible-light photocatalytic performance. <i>Materials Letters</i> , 2017 , 189, 156-159 | 3.3 | 84 |
| 63 | Strength and grain refinement of Ti-30Zr-5Al-3V alloy by Fe addition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 691, 25-30 | 5.3 | 7 |
| 62 | Effect of electrodeposition conditions on structure and mechanical properties of Ni-W/diamond composite coatings. <i>Surface and Coatings Technology</i> , 2017 , 309, 337-343 | 4.4 | 33 |
| 61 | Synthesis of hierarchical porous flower-like ZnO-ALOOH structures and their applications in adsorption of Congo Red. <i>Chemical Physics Letters</i> , 2017 , 687, 143-151 | 2.5 | 27 |
| 60 | Rational design of carbon-doped TiO ₂ modified g-C ₃ N ₄ via in-situ heat treatment for drastically improved photocatalytic hydrogen with excellent photostability. <i>Nano Energy</i> , 2017 , 41, 1-9 | 17.1 | 140 |
| 59 | Synthesis of Onion-Like [MoN Catalyst for Selective Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19451-19460 | 3.8 | 21 |
| 58 | ZnO microspheres-reduced graphene oxide nanocomposite for photocatalytic degradation of methylene blue dye. <i>Applied Surface Science</i> , 2017 , 392, 196-203 | 6.7 | 135 |

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|----|---|-----|-----|
| 57 | Effect of Sodium Dodecyl Sulphate and Sodium Bromide Additives on Ni/W Nanocoatings. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 1217-224 | 1.3 | |
| 56 | Electrodeposition and Mechanical Properties of Ni-W Matrix Composite Coatings with Embedded Amorphous Boron Particles. <i>International Journal of Electrochemical Science</i> , 2016 , 9529-9541 | 2.2 | 8 |
| 55 | Effect of Ag ⁺ and PO ₄ ³⁻ ratios on the microstructure and photocatalytic activity of Ag ₃ PO ₄ . <i>Functional Materials Letters</i> , 2016 , 09, 1650063 | 1.2 | 10 |
| 54 | Ce(3 ⁺)-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. <i>Scientific Reports</i> , 2016 , 6, 31641 | 4.9 | 435 |
| 53 | Co-electrodeposition of hard Ni-W/diamond nanocomposite coatings. <i>Scientific Reports</i> , 2016 , 6, 22285 | 4.9 | 16 |
| 52 | Origin of distinct hydrogen absorption behavior of Zr ₂ Pd and ZrPd ₂ . <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 1736-1743 | 6.7 | 3 |
| 51 | Distinct electron density topologies and elastic properties of two similar omega phases: ϵ Zr and Zr ₂ Al. <i>Journal of Alloys and Compounds</i> , 2016 , 660, 316-323 | 5.7 | 5 |
| 50 | Elastic, magnetic and electronic properties of iridium phosphide Ir ₂ P. <i>Scientific Reports</i> , 2016 , 6, 21787 | 4.9 | 14 |
| 49 | First-principles investigations of structural, electronic, optical and thermodynamic properties of CdxMg _{1-x} S alloys. <i>Computational Materials Science</i> , 2015 , 101, 242-247 | 3.2 | 3 |
| 48 | Preparation and hardness of pulse electrodeposited Ni/W-diamond composite coatings. <i>Surface and Coatings Technology</i> , 2015 , 276, 228-232 | 4.4 | 23 |
| 47 | Mechanical, electronic and thermal properties of Cu ₅ Zr and Cu ₅ Hf by first-principles calculations. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 455-461 | 5.7 | 19 |
| 46 | Effects of Ni and Ti on the phase stability, martensitic transformation and mechanical properties of B2 CuZr phase. <i>Computational Materials Science</i> , 2015 , 110, 121-125 | 3.2 | 12 |
| 45 | Carbon-Doped ZnO Nanostructures: Facile Synthesis and Visible Light Photocatalytic Applications. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20544-20554 | 3.8 | 163 |
| 44 | Anisotropy in elasticity and thermodynamic properties of zirconium tetraboride under high pressure. <i>RSC Advances</i> , 2015 , 5, 77399-77406 | 3.7 | 10 |
| 43 | Elastic and thermodynamic properties of Rh and Rh ₃ Zr under pressure from first-principles calculation. <i>Materials Chemistry and Physics</i> , 2015 , 149-150, 553-558 | 4.4 | 7 |
| 42 | Phase competition mediated by composition and pressure in Zr ₂ Cu _{1-x} Ni system. <i>Journal of Alloys and Compounds</i> , 2015 , 618, 73-77 | 5.7 | 4 |
| 41 | Pressure-induced zigzag phosphorus chain and superconductivity in boron monophosphide. <i>Scientific Reports</i> , 2015 , 5, 8761 | 4.9 | 16 |
| 40 | Theoretical prediction of structural stability, electronic and elastic properties of ZrSi ₂ under pressure. <i>RSC Advances</i> , 2015 , 5, 36779-36786 | 3.7 | 11 |

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|----|--|-----|-----|
| 39 | Effect of Saccharin Sodium on the Microstructure and Hardness of Electrodeposited Ni-W Coatings. <i>Key Engineering Materials</i> , 2015 , 659, 535-539 | 0.4 | 2 |
| 38 | The high concentration and uniform distribution of diamond particles in Ni-diamond composite coatings by sediment co-deposition. <i>Surface and Interface Analysis</i> , 2015 , 47, 331-339 | 1.5 | 9 |
| 37 | Effect of aspect ratio and surface defects on the photocatalytic activity of ZnO nanorods. <i>Scientific Reports</i> , 2014 , 4, 4596 | 4.9 | 624 |
| 36 | Mechanical and electronic properties of Rh and Rh ₃ Zr from first-principles calculation. <i>Solid State Communications</i> , 2014 , 189, 43-46 | 1.6 | 8 |
| 35 | Mechanical-assisted preparation and photocatalytic properties of almost-visible light-driven ZnO/ZnFe ₂ O ₄ nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1641, 1 | | 2 |
| 34 | First principle study of elastic and thermodynamic properties of ZrZn ₂ and HfZn ₂ under high pressure. <i>Journal of Applied Physics</i> , 2014 , 115, 083514 | 2.5 | 15 |
| 33 | A facile synthesis of nanorods of ZnO/graphene oxide composites with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2014 , 321, 226-232 | 6.7 | 62 |
| 32 | First-principles calculations of structural stability and mechanical properties of tungsten carbide under high pressure. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 1234-1239 | 3.9 | 12 |
| 31 | In situ high pressure synthesis of cBN-based composites. <i>Functional Materials Letters</i> , 2014 , 07, 1450040 | 1.2 | 5 |
| 30 | First-principles study of ZrC x N _{1-x} alloys with electron concentration modulation. <i>Journal of Materials Science</i> , 2013 , 48, 7743-7748 | 4.3 | 9 |
| 29 | Structure and mechanical properties of tungsten mononitride under high pressure from first-principles calculations. <i>Computational Materials Science</i> , 2013 , 79, 456-462 | 3.2 | 20 |
| 28 | Phase stability of Ti ₃ SiC ₂ at high pressure and high temperature. <i>Ceramics International</i> , 2013 , 39, 9361-9367 | 3.6 | 24 |
| 27 | First-principles structural design of superhard material of ZrB ₄ . <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20894-9 | 3.6 | 42 |
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