

# Guifeng Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

347  
citations

1040056

9  
h-index

839539

18  
g-index

30  
all docs

30  
docs citations

30  
times ranked

398  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Two-Dimensional GaN: An Excellent Electrode Material Providing Fast Ion Diffusion and High Storage Capacity for Li-Ion and Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38978-38984.         | 8.0 | 97        |
| 2  | Centrosymmetric $\text{Li}_2\text{NaN}$ : a superior topological electronic material with critical-type triply degenerate nodal points. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1316-1320.                       | 5.5 | 63        |
| 3  | Pentagonal $\text{B}_2\text{C}$ monolayer with extremely high theoretical capacity for Li-/Na-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6278-6285.  | 2.8 | 30        |
| 4  | Defect assisted coupling of a $\text{MoS}_2/\text{TiO}_2$ interface and tuning of its electronic structure. <i>Nanotechnology</i> , 2016, 27, 355203.   | 2.6 | 24        |
| 5  | Phase Transition-Promoted Hydrogen Evolution Performance of $\text{MoS}_2/\text{VO}_2$ Hybrids. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2618-2623.  | 3.1 | 20        |
| 6  | Prediction of two-dimensional $\text{CP}_3$ as a promising electrode material with a record-high capacity for Na ions. <i>Nanoscale Advances</i> , 2020, 2, 5271-5279.  | 4.6 | 12        |
| 7  | Anisotropic porous designed polymer coatings for high-performance passive all-day radiative cooling. <i>IScience</i> , 2022, 25, 104126.  | 4.1 | 12        |
| 8  | Prediction of the electronic structure of single-walled black phosphorus nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15177-15181.   | 2.8 | 11        |
| 9  | Geometric distortion and spin-dependent electronic structure of $\text{C}_6\text{H}_6$ -adsorbed $\text{Fe}_3\text{O}_4(001)$ : A first-principles study. <i>Journal of Applied Physics</i> , 2017, 121, .                  | 2.5 | 10        |
| 10 | Structure and Optical Properties of AlN Crystals Grown by Metal Nitride Vapor Phase Epitaxy with Different V/III Ratios. <i>ACS Omega</i> , 0, , .  | 3.5 | 8         |
| 11 | Cobalt Supported on BN Catalyst with High $\text{B}\text{\AA}\text{O}$ Defects and Its Efficient Hydrodeoxygenation Performance of HMF to DMF**. <i>ChemistrySelect</i> , 2022, 7, .  | 1.5 | 7         |
| 12 | Magnetic and electronic properties of $\text{Fe}_3\text{O}_4/\text{graphene}$ heterostructures: First principles perspective. <i>Journal of Applied Physics</i> , 2013, 113, .  | 2.5 | 6         |
| 13 | Suppression of the photoinduced light scattering in $\text{LiNbO}_3:\text{Fe}$ by redox treatment and incoherent homogeneous illumination. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 615-620. | 2.3 | 5         |
| 14 | Annealing induced amorphous/crystalline silicon interface passivation by hydrogen atom diffusion. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 705-710.  | 2.2 | 5         |
| 15 | Influence of nitrogen flow ratio on properties of c-axis oriented AlN films grown by RF magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.                                    | 2.3 | 5         |
| 16 | Electric field tunable half-metallic characteristic at $\text{Fe}_3\text{O}_4/\text{BaTiO}_3$ interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4330-4336.   | 2.8 | 4         |
| 17 | Competitive Growth Mechanism of $\text{WS}_2/\text{MoS}_2$ Vertical Heterostructures at High Temperature. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700219.  | 1.5 | 4         |
| 18 | Photorefractive Properties Varied With Li Composition in $\text{LiNbO}_3:\text{Fe}$ Crystals. <i>IEEE Photonics Journal</i> , 2012, 4, 1892-1899.   | 2.0 | 3         |

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|----|--|-----|-----------|
| 19 | Magnetic and electronic properties of $\text{Cu}_{1-x}\text{Fe}_x\text{O}$ from first principles calculations. RSC Advances, 2013, 3, 4447.  | 3.6 | 3         |
| 20 | Improved ability of artificial photosynthesis by using InGaN/AlGaIn/GaN electrode. Applied Physics Express, 2019, 12, 111003.  | 2.4 | 3         |
| 21 | A green synthesis of ClSe nanocrystal ink and preparation of quantum dot sensitized solar cells. Functional Materials Letters, 2020, 13, 2050028.  | 1.2 | 3         |
| 22 | Investigations of the photoelectrochemical properties of different contents In of $\text{In}_x\text{Ga}_{1-x}\text{N}$ in $\text{CO}_2$ reduction. Research on Chemical Intermediates, 2021, 47, 4825-4835.        | 2.7 | 3         |
| 23 | Study on the temperature dependence of the $\text{OH}^{\cdot}$ absorption band in Hf-doped $\text{LiNbO}_3$ crystals. Journal of Materials Science, 2014, 49, 3775-3779.   | 3.7 | 2         |
| 24 | $\text{CuZnSn}(\text{S}_x\text{Se}_{1-x})_4$ Solar Cell Prepared by the Sol-Gel Method Following a Modified Three-Step Selenization Process. Crystals, 2019, 9, 474.   | 2.2 | 2         |
| 25 | Cu-related defects and optical properties in copper-indium selenide quantum dots by a green synthesis. Journal of Applied Physics, 2022, 131, .  | 2.5 | 2         |
| 26 | Investigation of irradiation donors in electron irradiated CZ-Si. , 2006, , .  |     | 1         |
| 27 | Neutron irradiation defects in Czochralski silicon. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 669-676.  | 0.8 | 1         |
| 28 | Improved photocatalytic activity and stability of InGaIn quantum dots/ $\text{C}_3\text{N}_4$ heterojunction photoelectrode for $\text{CO}_2$ reduction and hydrogen production. Nanotechnology, 2021, 32, 505705. | 2.6 | 1         |
| 29 | Synthesis of Weyl Semi-Metal $\text{Co}_3\text{Sn}_2\text{S}_2$ by Hydrothermal Method and Its Physical Properties. Metals, 2022, 12, 830.   | 2.3 | 0         |