

Xin-yi Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2069521/publications.pdf>

Version: 2024-02-01

30
papers

1,071
citations

840585

11
h-index

610775

24
g-index

30
all docs

30
docs citations

30
times ranked

2103
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Properties of silicon-carbon (CNTs/graphene) hybrid nanoparticles. , 2022, , 45-64. | | 0 |
| 2 | A composite graphene aerogel for real-time degradation of low-concentration ozone: The synergetic effect of defects. Journal of Environmental Chemical Engineering, 2022, 10, 107530. | 3.3 | 1 |
| 3 | Energy-efficient synaptic devices based on planar structured h-BN memristor. Journal of Alloys and Compounds, 2022, 909, 164775. | 2.8 | 9 |
| 4 | Building resistive switching memory having super-steep switching slope with in-plane boron nitride. Nanotechnology, 2022, 33, 125202. | 1.3 | 4 |
| 5 | Stacked perovskite photodetectors for multi-color fluorescence detection. Journal of Materials Chemistry C, 2021, 10, 321-328. | 2.7 | 3 |
| 6 | A three-dimensional network of graphene/silicon/graphene sandwich sheets as anode for Li-ion battery. Thin Solid Films, 2020, 693, 137702. | 0.8 | 9 |
| 7 | Understanding Protection Mechanisms of Graphene-Encapsulated Silicon Anodes with <i>Operando</i> Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 35532-35541. | 4.0 | 17 |
| 8 | pH-dependent fluorescent quenching of graphene oxide quantum dots: Towards hydroxyl. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 260, 114627. | 1.7 | 11 |
| 9 | Continuously Selective Photocatalytic CO ₂ Fixation via Controllable S/Se Ratio in a TiO ₂ -MoS ₂ /Se Dual-Excitation Heterostructured Nanotree. ACS Photonics, 2020, 7, 3394-3400. | 3.2 | 10 |
| 10 | Graphene oxide discarded solution for high surface area photocatalyst. Solar Energy Materials and Solar Cells, 2020, 209, 110446. | 3.0 | 4 |
| 11 | Thermally Conductive Boron Nitride Nanosheet Composite Paper as a Flexible Printed Circuit Board. ACS Applied Nano Materials, 2018, 1, 1705-1712. | 2.4 | 30 |
| 12 | Janus particle-based microprobes: Determination of object orientation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 452-462. | 2.3 | 7 |
| 13 | Tunable high-power blue external cavity semiconductor laser. Optics and Laser Technology, 2017, 94, 1-5. | 2.2 | 22 |
| 14 | Rapid etching of carbon fiber induced by noble metal nanoparticles. Materials Letters, 2017, 197, 45-47. | 1.3 | 5 |
| 15 | Low-temperature thermal reduction of suspended graphene oxide film for electrical sensing of DNA-hybridization. Materials Science and Engineering C, 2017, 72, 62-68. | 3.8 | 9 |
| 16 | Defect-enhanced performance of a 3D graphene anode in a lithium-ion battery. Nanotechnology, 2017, 28, 505402. | 1.3 | 15 |
| 17 | High Sulfur Loading in Hierarchical Porous Carbon Rods Constructed by Vertically Oriented Porous Graphene-Like Nanosheets for Li-ION Batteries. Advanced Functional Materials, 2016, 26, 8952-8959. | 7.8 | 159 |
| 18 | Real-time spectroscopic monitoring of photocatalytic activity promoted by graphene in a microfluidic reactor. Scientific Reports, 2016, 6, 28803. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | In-situ fabrication of reduced graphene oxide (rGO)/ZnO heterostructure: surface functional groups induced electrical properties. <i>Electrochimica Acta</i> , 2016, 196, 558-564. | 2.6 | 24 |
| 20 | Zinc oxide precursor treatment for improving dye-sensitized solar cell efficiency. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 532-537. | 0.7 | 4 |
| 21 | GaN/MgO/ZnO heterojunction light-emitting diodes. <i>Thin Solid Films</i> , 2013, 527, 303-307. | 0.8 | 6 |
| 22 | Electroluminescence of p-GaN/MgO/n-ZnO Heterojunction Light-emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1439, 109-114. | 0.1 | 0 |
| 23 | ZnO nanostructures: growth, properties and applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 6526. | 6.7 | 584 |
| 24 | Influence of hydrothermal treatment on morphology and properties of ZnO nanostructures. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 0 |
| 25 | Hydrothermal treatment of ZnO nanostructures. <i>Thin Solid Films</i> , 2012, 520, 2656-2662. | 0.8 | 13 |
| 26 | ZnO nanorods for light-emitting diode applications. , 2011, , . | | 1 |
| 27 | ZnO nanorod/GaN light-emitting diodes: The origin of yellow and violet emission bands under reverse and forward bias. <i>Journal of Applied Physics</i> , 2011, 110, . | 1.1 | 31 |
| 28 | Scanning probe microscopy-based characterization of ZnO nanorods. , 2010, , . | | 0 |
| 29 | Characterization of ZnO nanostructures: A challenge to positron annihilation spectroscopy and other methods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2556-2560. | 0.8 | 11 |
| 30 | First-principles study of structural, electronic, and multiferroic properties in BiCoO ₃ . <i>Journal of Chemical Physics</i> , 2007, 126, 154708. | 1.2 | 60 |