

Li Wang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/918437/li-wang-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

45
papers

1,276
citations

17
h-index

35
g-index

52
ext. papers

1,497
ext. citations

7.4
avg, IF

4.34
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 45 | Recent advances in understanding of the mechanism and control of LiO formation in aprotic Li-O batteries. <i>Chemical Society Reviews</i> , 2017 , 46, 6046-6072 | 58.5 | 235 |
| 44 | Electron-doping-enhanced trion formation in monolayer molybdenum disulfide functionalized with cesium carbonate. <i>ACS Nano</i> , 2014 , 8, 5323-9 | 16.7 | 185 |
| 43 | Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9131-9135 | 16.4 | 115 |
| 42 | Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017 , 17, 4122-4129 | 11.5 | 99 |
| 41 | Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , 2017 , 11, 4943-4949 | 16.7 | 92 |
| 40 | Growth of millimeter-size single crystal graphene on Cu foils by circumfluence chemical vapor deposition. <i>Scientific Reports</i> , 2014 , 4, 4537 | 4.9 | 91 |
| 39 | Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018 , 10, 21575-21603 | 7.7 | 54 |
| 38 | Oxygen induced strong mobility modulation in few-layer black phosphorus. <i>2D Materials</i> , 2017 , 4, 021007 | 7.9 | 40 |
| 37 | Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , 2018 , 30, e1801931 | 24 | 35 |
| 36 | Artificial Multiferroics and Enhanced Magnetoelectric Effect in van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6243-6249 | 9.5 | 35 |
| 35 | Switching molecular orientation of individual fullerene at room temperature. <i>Scientific Reports</i> , 2013 , 3, 3062 | 4.9 | 26 |
| 34 | Implanting cation vacancies in Ni-Fe LDHs for efficient oxygen evolution reactions of lithium-oxygen batteries. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119792 | 21.8 | 26 |
| 33 | Chiral recognition of zinc phthalocyanine on Cu(100) surface. <i>Applied Physics Letters</i> , 2012 , 100, 081602 | 3.4 | 25 |
| 32 | Metal Induced Growth of Transition Metal Dichalcogenides at Controlled Locations. <i>Scientific Reports</i> , 2016 , 6, 38394 | 4.9 | 24 |
| 31 | Defect Chemistry in Discharge Products of LiO ₂ Batteries. <i>Small Methods</i> , 2019 , 3, 1800358 | 12.8 | 24 |
| 30 | Self-assembly of hydrogen-bonded supramolecular complexes of nucleic-acid-base and fatty-acid at the liquid-solid interface. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14168-71 | 3.6 | 18 |
| 29 | Direct observation of copper-induced metalation of 5,15-diphenylporphyrin on Au(111) by scanning tunneling microscopy. <i>Surface Science</i> , 2015 , 633, 46-52 | 1.8 | 17 |

| | | | |
|----|---|-----|----|
| 28 | Modulation of Coordinate Bonds in Hydrogen-Bonded Trimesic Acid Molecular Networks on Highly Ordered Pyrolytic Graphite Surface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12605-12610 | 3.8 | 17 |
| 27 | Cyclotrimerization-Induced Chiral Supramolecular Structures of 4-Ethynyltriphenylamine on Au(111) Surface. <i>Chemistry - A European Journal</i> , 2015 , 21, 12978-83 | 4.8 | 17 |
| 26 | Promoting defective-Li ₂ O ₂ formation via Na doping for LiO ₂ batteries with low charge overpotentials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10389-10396 | 13 | 15 |
| 25 | Improvement of the electrochemical performance of Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode material by Al ₂ O ₃ surface coating. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 859, 113845 | 4.1 | 14 |
| 24 | Chiral supramolecular self-assembly of rubrene. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14682-5 | 3.6 | 14 |
| 23 | Structural Transformation of Guanine Coordination Motifs in Water Induced by Metal Ions and Temperature. <i>Langmuir</i> , 2018 , 34, 8092-8098 | 4 | 9 |
| 22 | On-Surface Synthesis of Chiral EConjugate Porphyrin Tapes by Substrate-Regulated Dehydrogenative Coupling. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23007-23013 | 3.8 | 6 |
| 21 | Confining Li ₂ O ₂ in tortuous pores of mesoporous cathodes to facilitate low charge overpotentials for Li-O ₂ batteries. <i>Journal of Energy Chemistry</i> , 2021 , 55, 55-61 | 12 | 6 |
| 20 | Highly ordered arrays and characterization of WS ₂ flakes grown by low pressure chemical vapour deposition. <i>Chemical Physics</i> , 2019 , 523, 106-109 | 2.3 | 5 |
| 19 | Surface-assisted dehydrogenative homocoupling and cyclodehydrogenation of mesityl groups on a copper surface. <i>Chemical Communications</i> , 2017 , 53, 9151-9154 | 5.8 | 5 |
| 18 | Observations of carbon-carbon coupling of 4,4'-dibromo- p -terphenyl on Cu(110) surface at molecular level. <i>Chinese Chemical Letters</i> , 2017 , 28, 24-28 | 8.1 | 4 |
| 17 | Flexible current collector-free LiFePO ₄ /carbon composite film for high-performance lithium-ion batteries. <i>Ionics</i> , 2019 , 25, 939-947 | 2.7 | 3 |
| 16 | Direct observation of copper-induced role on Ullmann reaction by scanning tunneling microscopy. <i>Chemical Physics</i> , 2019 , 522, 65-68 | 2.3 | 3 |
| 15 | Synthesis of ordered conjugated polycyclic aromatic hydrocarbon polymers through polymerization reaction on Au(111). <i>Chemical Communications</i> , 2016 , 52, 8420-3 | 5.8 | 3 |
| 14 | Surface-mediated construction of diverse coordination-dominated nanostructures with 4-azidobenzoic acid molecule. <i>Journal of Chemical Physics</i> , 2020 , 152, 044704 | 3.9 | 2 |
| 13 | Growth of few-layer graphene on Cu foil by regulating the pressure of reaction gases. <i>CrystEngComm</i> , 2020 , 22, 1018-1023 | 3.3 | 2 |
| 12 | Construction of a Molecular Switch Based on Two Metastable States of Fullerene on Cu(111). <i>Journal of Physical Chemistry C</i> , 2020 , 124, 11158-11164 | 3.8 | 2 |
| 11 | Patterned growth of tungsten diselenide flakes by chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 080303 | 1.4 | 2 |

| | | | |
|----|--|-----|---|
| 10 | Assembling fullerene into nanostructures over micrometer scale with atomic precision. <i>Nanotechnology</i> , 2018 , 29, 395301 | 3.4 | 2 |
| 9 | Direct on-surface synthesis of gold-phthalocyanine via cyclization of cyano-groups with gold adatoms. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1406-1410 | 7.8 | 1 |
| 8 | Hot-carrier infrared detection in PbS with ultrafast and highly sensitive responses. <i>Applied Physics Letters</i> , 2022 , 120, 042101 | 3.4 | 1 |
| 7 | An approach to high-throughput growth of submillimeter transition metal dichalcogenide single crystals. <i>Nanoscale</i> , 2019 , 11, 22440-22445 | 7.7 | 1 |
| 6 | CVD growth of rhenium sulfide on carbon nanotubes as an anode for improving the performance of lithium ion batteries. <i>Nanotechnology</i> , 2021 , 32, 155703 | 3.4 | 1 |
| 5 | Transformation of the coordination nanostructures of 4,4'-((1,3,5-triazine-2,4,6-triyl) tribenzoic acid molecules on HOPG triggered by the change in the concentration of metal ions.. <i>RSC Advances</i> , 2022 , 12, 3892-3896 | 3.7 | |
| 4 | Direct observation of meta-selective C-H activation on Pd(1 1 1) by scanning tunneling microscopy. <i>Chemical Physics</i> , 2020 , 539, 110981 | 2.3 | |
| 3 | Observations of Gradual Chiral Self-Recognition of Adsorbed Aromatic Compound. <i>Langmuir</i> , 2019 , 35, 870-874 | 4 | |
| 2 | Polymorphic Pairing Configurations of Guanine and Cytosine at the Water-HOPG Interface. <i>Langmuir</i> , 2021 , 37, 3761-3765 | 4 | |
| 1 | All-Optical Reconfigurable Electronic Memory in a Graphene/SrTiO Heterostructure.. <i>ACS Omega</i> , 2022 , 7, 15841-15845 | 3.9 | |