

# Li Wang

## 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.

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	Hot-carrier infrared detection in PbS with ultrafast and highly sensitive responses. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 042101	3.4	1
44	Transformation of the coordination nanostructures of 4,4'-azobis(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> , <b>2022</b> , 12, 3892-3896	3.7	
43	All-Optical Reconfigurable Electronic Memory in a Graphene/SrTiO Heterostructure.. <i>ACS Omega</i> , <b>2022</b> , 7, 15841-15845	3.9	
42	Confining Li <sub>2</sub> O <sub>2</sub> in tortuous pores of mesoporous cathodes to facilitate low charge overpotentials for Li-O <sub>2</sub> batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 55-61	12	6
41	Implanting cation vacancies in Ni-Fe LDHs for efficient oxygen evolution reactions of lithium-oxygen batteries. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 285, 119792	21.8	26
40	CVD growth of rhenium sulfide on carbon nanotubes as an anode for improving the performance of lithium ion batteries. <i>Nanotechnology</i> , <b>2021</b> , 32, 155703	3.4	1
39	Polymorphic Pairing Configurations of Guanine and Cytosine at the Water-HOPG Interface. <i>Langmuir</i> , <b>2021</b> , 37, 3761-3765	4	
38	Surface-mediated construction of diverse coordination-dominated nanostructures with 4-azidobenzoic acid molecule. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 044704	3.9	2
37	Growth of few-layer graphene on Cu foil by regulating the pressure of reaction gases. <i>CrystEngComm</i> , <b>2020</b> , 22, 1018-1023	3.3	2
36	Improvement of the electrochemical performance of Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> cathode material by Al <sub>2</sub> O <sub>3</sub> surface coating. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 859, 113845	4.1	14
35	Construction of a Molecular Switch Based on Two Metastable States of Fullerene on Cu(111). <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 11158-11164	3.8	2
34	Artificial Multiferroics and Enhanced Magnetoelectric Effect in van der Waals Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6243-6249	9.5	35
33	Direct observation of meta-selective C-H activation on Pd(1 1 1) by scanning tunneling microscopy. <i>Chemical Physics</i> , <b>2020</b> , 539, 110981	2.3	
32	On-Surface Synthesis of Chiral $\pi$ -Conjugate Porphyrin Tapes by Substrate-Regulated Dehydrogenative Coupling. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 23007-23013	3.8	6
31	Flexible current collector-free LiFePO <sub>4</sub> /carbon composite film for high-performance lithium-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 939-947	2.7	3
30	Highly ordered arrays and characterization of WS <sub>2</sub> flakes grown by low pressure chemical vapour deposition. <i>Chemical Physics</i> , <b>2019</b> , 523, 106-109	2.3	5
29	Direct on-surface synthesis of gold $\beta$ -thalocyanine via cyclization of cyano-groups with gold adatoms. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 1406-1410	7.8	1

28	Promoting defective-Li <sub>2</sub> O <sub>2</sub> formation via Na doping for LiD <sub>2</sub> batteries with low charge overpotentials. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10389-10396	13	15
27	Direct observation of copper-induced role on Ullmann reaction by scanning tunneling microscopy. <i>Chemical Physics</i> , <b>2019</b> , 522, 65-68	2.3	3
26	An approach to high-throughput growth of submillimeter transition metal dichalcogenide single crystals. <i>Nanoscale</i> , <b>2019</b> , 11, 22440-22445	7.7	1
25	Defect Chemistry in Discharge Products of LiD <sub>2</sub> Batteries. <i>Small Methods</i> , <b>2019</b> , 3, 1800358	12.8	24
24	Observations of Gradual Chiral Self-Recognition of Adsorbed Aromatic Compound. <i>Langmuir</i> , <b>2019</b> , 35, 870-874	4	
23	Assembling Fullerene into nanostructures over micrometer scale with atomic precision. <i>Nanotechnology</i> , <b>2018</b> , 29, 395301	3.4	2
22	Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801931	24	35
21	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , <b>2018</b> , 10, 21575-21603	7.7	54
20	Structural Transformation of Guanine Coordination Motifs in Water Induced by Metal Ions and Temperature. <i>Langmuir</i> , <b>2018</b> , 34, 8092-8098	4	9
19	Oxygen induced strong mobility modulation in few-layer black phosphorus. <i>2D Materials</i> , <b>2017</b> , 4, 021007	3.9	40
18	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , <b>2017</b> , 11, 4943-4949	16.7	92
17	Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9131-9135	16.4	115
16	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , <b>2017</b> , 17, 4122-4129	11.5	99
15	Patterned growth of tungsten diselenide flakes by chemical vapor deposition. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 080303	1.4	2
14	Recent advances in understanding of the mechanism and control of LiO formation in aprotic Li-O batteries. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6046-6072	58.5	235
13	Surface-assisted dehydrogenative homocoupling and cyclodehydrogenation of mesityl groups on a copper surface. <i>Chemical Communications</i> , <b>2017</b> , 53, 9151-9154	5.8	5
12	Observations of carbon-carbon coupling of 4,4'-dibromo- p -terphenyl on Cu(110) surface at molecular level. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 24-28	8.1	4
11	Synthesis of ordered conjugated polycyclic aromatic hydrocarbon polymers through polymerization reaction on Au(111). <i>Chemical Communications</i> , <b>2016</b> , 52, 8420-3	5.8	3

10	Modulation of Coordinate Bonds in Hydrogen-Bonded Trimesic Acid Molecular Networks on Highly Ordered Pyrolytic Graphite Surface. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12605-12610	3.8	17
9	Metal Induced Growth of Transition Metal Dichalcogenides at Controlled Locations. <i>Scientific Reports</i> , <b>2016</b> , 6, 38394	4.9	24
8	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> , <b>2016</b> , 18, 14168-71	3.6	18
7	Direct observation of copper-induced metalation of 5,15-diphenylporphyrin on Au(111) by scanning tunneling microscopy. <i>Surface Science</i> , <b>2015</b> , 633, 46-52	1.8	17
6	Cyclotrimerization-Induced Chiral Supramolecular Structures of 4-Ethynyltriphenylamine on Au(111) Surface. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 12978-83	4.8	17
5	Growth of millimeter-size single crystal graphene on Cu foils by circumfluence chemical vapor deposition. <i>Scientific Reports</i> , <b>2014</b> , 4, 4537	4.9	91
4	Electron-doping-enhanced trion formation in monolayer molybdenum disulfide functionalized with cesium carbonate. <i>ACS Nano</i> , <b>2014</b> , 8, 5323-9	16.7	185
3	Switching molecular orientation of individual fullerene at room temperature. <i>Scientific Reports</i> , <b>2013</b> , 3, 3062	4.9	26
2	Chiral recognition of zinc phthalocyanine on Cu(100) surface. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 081602	3.4	25
1	Chiral supramolecular self-assembly of rubrene. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 14682-5	3.6	14