

Shiyong Wang

List of Publications by Year in descending order

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48
papers

3,431
citations

304743

22
h-index

223800

46
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51
all docs

51
docs citations

51
times ranked

3644
citing authors

#	ARTICLE	IF	CITATIONS
1	On-surface synthesis of graphene nanoribbons with zigzag edge topology. <i>Nature</i> , 2016, 531, 489-492.	27.8	1,154
2	Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018, 560, 209-213.	27.8	397
3	Single-Molecule Resolution of an Organometallic Intermediate in a Surface-Supported Ullmann Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 13264-13267.	13.7	277
4	On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. <i>ACS Nano</i> , 2017, 11, 1380-1388.	14.6	270
5	Giant edge state splitting at atomically precise graphene zigzag edges. <i>Nature Communications</i> , 2016, 7, 11507.	12.8	207
6	Bottom-Up Synthesis of Metalated Carbyne. <i>Journal of the American Chemical Society</i> , 2016, 138, 1106-1109.	13.7	104
7	Quantum Dots in Graphene Nanoribbons. <i>Nano Letters</i> , 2017, 17, 4277-4283.	9.1	99
8	On-surface synthesis and characterization of individual polyacetylene chains. <i>Nature Chemistry</i> , 2019, 11, 924-930.	13.6	67
9	Strain Tunable Semimetal-Topological-Insulator Transition in Monolayer $1T'$ TaTe_2 . <i>Physical Review Letters</i> , 2020, 125, 046801.	7.8	67
10	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7726-7730.	13.7	61
11	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe . <i>Nature Communications</i> , 2018, 9, 4153.	12.8	48
12	Designer spin order in diradical nanographenes. <i>Nature Communications</i> , 2020, 11, 6076.	12.8	47
13	Engineering of Magnetic Coupling in Nanographene. <i>Physical Review Letters</i> , 2020, 124, 147206.	7.8	47
14	Discovery of segmented Fermi surface induced by Cooper pair momentum. <i>Science</i> , 2021, 374, 1381-1385.	12.6	45
15	Atomically Precise Synthesis and Characterization of Heptaathrene with Triplet Ground State. <i>Nano Letters</i> , 2020, 20, 6859-6864.	9.1	43
16	Tuning two-dimensional band structure of $\text{Cu}(111)$ surface-state electrons that interplay with artificial supramolecular architectures. <i>Physical Review B</i> , 2013, 88, .	3.2	42
17	Graphene Nanoribbons Derived from Zigzag Edge-Encased Poly(2,9-dibenzo[<i>bc</i>][<i>kl</i>]coronene) Polymer Chains. <i>Journal of the American Chemical Society</i> , 2019, 141, 2843-2846.	13.7	40
18	Manipulation and Characterization of Aperiodical Graphene Structures Created in a Two-Dimensional Electron Gas. <i>Physical Review Letters</i> , 2014, 113, 196803.	7.8	36

#	ARTICLE	IF	CITATIONS
19	Resolving Band-Structure Evolution and Defect-Induced States of Single Conjugated Oligomers by Scanning Tunneling Microscopy and Tight-Binding Calculations. <i>Physical Review Letters</i> , 2011, 106, 206803.	7.8	32
20	Cooperative Modulation of Electronic Structures of Aromatic Molecules Coupled to Multiple Metal Contacts. <i>Physical Review Letters</i> , 2013, 110, 046802.	7.8	31
21	Precise Control of π -Electron Magnetism in Metal-Free Porphyrins. <i>Journal of the American Chemical Society</i> , 2020, 142, 18532-18540.	13.7	31
22	On-surface synthesis of triangulene trimers via dehydration reaction. <i>Nature Communications</i> , 2022, 13, 1705.	12.8	30
23	Edge Disorder in Bottom-Up Zigzag Graphene Nanoribbons: Implications for Magnetism and Quantum Electronic Transport. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4692-4696.	4.6	22
24	Stability of edge magnetism in functionalized zigzag graphene nanoribbons. <i>Carbon</i> , 2017, 124, 123-132.	10.3	21
25	Resolving Quinoid Structure in Poly(<i>para</i> -phenylene) Chains. <i>Journal of the American Chemical Society</i> , 2020, 142, 10034-10041.	13.7	20
26	Sierpiński Structure and Electronic Topology in Bi Thin Films on InSb(111)B Surfaces. <i>Physical Review Letters</i> , 2021, 126, 176102.	7.8	20
27	Quantum electronic transport across π -defects in graphene nanoribbons. <i>2D Materials</i> , 2021, 8, 035025.	4.4	17
28	A tunable and unidirectional one-dimensional electronic system Nb _{2n+1} SnTe _{4n+2} . <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	15
29	Diamagnetic Response of Potassium-Adsorbed Multilayer FeSe Film. <i>Physical Review Letters</i> , 2019, 123, 257001.	7.8	13
30	Robust Hot Electron and Multiple Topological Insulator States in PtBi ₂ . <i>ACS Nano</i> , 2020, 14, 2366-2372.	14.6	13
31	Topological Defects Induced High-Spin Quartet State in Truxene-Based Molecular Graphenoids. <i>CCS Chemistry</i> , 2023, 5, 695-703.	7.8	13
32	Diamagnetic response of a superconducting surface superstructure: Si(111)- $\sqrt{7} \times \sqrt{7}$. <i>Physical Review B</i> , 2019, 99, .		
33	Catalytic Growth of Ultralong Graphene Nanoribbons on Insulating Substrates. <i>Advanced Materials</i> , 2022, 34, e2200956.	21.0	12
34	Coexistence of Robust Edge States and Superconductivity in Few-Layer Stanene. <i>Physical Review Letters</i> , 2022, 128, .	7.8	11
35	Scanning tunneling microscopic investigation on morphology of magnetic Weyl semimetal YbMnBi ₂ . <i>Chinese Physics B</i> , 2019, 28, 077302.	1.4	8
36	Molecular beam epitaxy of superconducting PdTe ₂ films on topological insulator Bi ₂ Te ₃ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	8

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37	Observation of Magnetism-Induced Topological Edge State in Antiferromagnetic Topological Insulator MnBi_4Te_7 . ACS Nano, 2022, 16, 9810-9818.	14.6	8
38	Vibronic state assisted resonant transport in molecules strongly anchored at an electrode. Physical Review B, 2011, 83, .	3.2	7
39	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in TaNiTe_5 . Physical Review Letters, 2022, 128, 106802.	7.8	5
40	Visualization and Manipulation of Individual Dopant States in Single Conjugated Oligomers. ACS Nano, 2012, 6, 3404-3410.	14.6	5
41	On-Surface Synthesis of Iron Phthalocyanine Using Metal-Organic Coordination Templates. ChemPhysChem, 2019, 20, 2394-2397.	2.1	5
42	Moiré-pattern-modulated electronic structures in Sb_2Te_3 /graphene heterostructure. Nano Research, 2022, 15, 1115-1119.	10.4	5
43	Exploring Intramolecular Methyl-Methyl Coupling on a Metal Surface for Edge-Extended Graphene Nanoribbons. Organic Materials, 2021, 03, 128-133.	2.0	3
44	Influence of disorder on superconductivity in the $\text{Si}(111)-7\times 7$ - 3×3 -In surface. Applied Physics Letters, 2020, 117, 172601.	3.3	3
45	Quantum spin Hall and quantum anomalous Hall states in magnetic $\text{Ti}_2\text{Te}_2\text{O}$ single layer. Journal of Physics Condensed Matter, 2021, 33, 21LT01.	1.8	2
46	Intertwining of multiphase charge density waves in In-intercalated TaS_2 . Physical Review B, 2021, 104, .	5.2	2
47	Delocalized magnetism in low-dimensional graphene system. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 188101.	0.5	1
48	Heterochiral Diastereomer-Discriminative Diphenes That Form Hierarchical Superstructures with Nonlinear Optical Properties. JACS, 2022, 144, 12111-12118.	7.9	0