

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
g-index

51
all docs

51
docs citations

51
times ranked

3644
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Defects Induced High-Spin Quartet State in Truxene-Based Molecular Graphenoids. <i>CCS Chemistry</i> , 2023, 5, 695-703.	7.8	13
2	Moiré-pattern-modulated electronic structures in Sb ₂ Te ₃ /graphene heterostructure. <i>Nano Research</i> , 2022, 15, 1115-1119.	10.4	5
3	On-surface synthesis of triangulene trimers via dehydration reaction. <i>Nature Communications</i> , 2022, 13, 1705.	12.8	30
4	Coexistence of Ferroelectriclike Polarization and Dirac-like Surface State in $TaNiTe$. <i>Physical Review Letters</i> , 2022, 128, 106802.	7.8	7
5	Catalytic Growth of Ultralong Graphene Nanoribbons on Insulating Substrates. <i>Advanced Materials</i> , 2022, 34, e2200956.	21.0	12
6	Coexistence of Robust Edge States and Superconductivity in Few-Layer Stanene. <i>Physical Review Letters</i> , 2022, 128, .	7.8	11
7	Delocalized magnetism in low-dimensional graphene system. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022, 71, 188101.	0.5	1
8	Observation of Magnetism-Induced Topological Edge State in Antiferromagnetic Topological Insulator MnBi ₄ Te ₇ . <i>ACS Nano</i> , 2022, 16, 9810-9818.	14.6	8
9	Exploring Intramolecular Methyl-Methyl Coupling on a Metal Surface for Edge-Extended Graphene Nanoribbons. <i>Organic Materials</i> , 2021, 03, 128-133.	2.0	3
10	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
11	Quantum spin Hall and quantum anomalous Hall states in magnetic Ti ₂ Te ₂ O single layer. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 21LT01.	1.8	2
12	Quantum electronic transport across π -bite™ defects in graphene nanoribbons. <i>2D Materials</i> , 2021, 8, 035025.	4.4	17
13	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
14	Discovery of segmented Fermi surface induced by Cooper pair momentum. <i>Science</i> , 2021, 374, 1381-1385.	12.6	45
15	Intertwining of multiphase charge density waves in In-intercalated $Ta_{1-x}S_{2x}$. <i>Physical Review B</i> , 2021, 104, .		
16	Designer spin order in diradical nanographenes. <i>Nature Communications</i> , 2020, 11, 6076.	12.8	47
17	Strain Tunable Semimetal-Topological-Insulator Transition in Monolayer $T\epsilon^2$. <i>Physical Review Letters</i> , 2020, 125, 046801.	7.8	67
18	Atomically Precise Synthesis and Characterization of Heptaauthrene with Triplet Ground State. <i>Nano Letters</i> , 2020, 20, 6859-6864.	9.1	43

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19	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
20	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
21	A tunable and unidirectional one-dimensional electronic system $\text{Nb}_{2n+1}\text{S}_{n}\text{Te}_{4n+2}$. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	15
22	Robust Hot Electron and Multiple Topological Insulator States in PtBi_2 . <i>ACS Nano</i> , 2020, 14, 2366-2372.	14.6	13
23	Engineering of Magnetic Coupling in Nanographene. <i>Physical Review Letters</i> , 2020, 124, 147206.	7.8	47
24	Influence of disorder on superconductivity in the $\text{Si}(111)-7\times 3\text{-In}$ surface. <i>Applied Physics Letters</i> , 2020, 117, 172601.	3.3	3
25	Scanning tunneling microscopic investigation on morphology of magnetic Weyl semimetal YbMnBi_2 . <i>Chinese Physics B</i> , 2019, 28, 077302.	1.4	8
26	On-surface synthesis and characterization of individual polyacetylene chains. <i>Nature Chemistry</i> , 2019, 11, 924-930.	13.6	67
27	Molecular beam epitaxy of superconducting PdTe_2 films on topological insulator Bi_2Te_3 . <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	8
28	Diamagnetic response of a superconducting surface superstructure: $\text{Si}(111)-7\times 3\text{-In}$. <i>Physical Review B</i> , 2019, 99, .	3.2	1
29	On-Surface Synthesis of a Nonplanar Porous Nanographene. <i>Journal of the American Chemical Society</i> , 2019, 141, 7726-7730.	13.7	61
30	On-Surface Synthesis of Iron Phthalocyanine Using Metal-Organic Coordination Templates. <i>ChemPhysChem</i> , 2019, 20, 2394-2397.	2.1	5
31	Graphene Nanoribbons Derived from Zigzag Edge-Encased Poly(<i>para</i> -2,9-dibenzo[<i>bc</i>]-corononylene) Polymer Chains. <i>Journal of the American Chemical Society</i> , 2019, 141, 2843-2846.	13.7	40
32	Diamagnetic Response of Potassium-Adsorbed Multilayer FeSe Film. <i>Physical Review Letters</i> , 2019, 123, 257001.	7.8	13
33	Quasiparticle interference and nonsymmorphic effect on a floating band surface state of ZrSiSe . <i>Nature Communications</i> , 2018, 9, 4153.	12.8	48
34	Engineering of robust topological quantum phases in graphene nanoribbons. <i>Nature</i> , 2018, 560, 209-213.	27.8	397
35	On-Surface Synthesis and Characterization of 9-Atom Wide Armchair Graphene Nanoribbons. <i>ACS Nano</i> , 2017, 11, 1380-1388.	14.6	270
36	Quantum Dots in Graphene Nanoribbons. <i>Nano Letters</i> , 2017, 17, 4277-4283.	9.1	99

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37	Stability of edge magnetism in functionalized zigzag graphene nanoribbons. Carbon, 2017, 124, 123-132.	10.3	21
38	Giant edge state splitting at atomically precise graphene zigzag edges. Nature Communications, 2016, 7, 11507.	12.8	207
39	Bottom-Up Synthesis of Metalated Carbyne. Journal of the American Chemical Society, 2016, 138, 1106-1109.	13.7	104
40	On-surface synthesis of graphene nanoribbons with zigzag edge topology. Nature, 2016, 531, 489-492.	27.8	1,154
41	Manipulation and Characterization of Aperiodical Graphene Structures Created in a Two-Dimensional Electron Gas. Physical Review Letters, 2014, 113, 196803.	7.8	36
42	Cooperative Modulation of Electronic Structures of Aromatic Molecules Coupled to Multiple Metal Contacts. Physical Review Letters, 2013, 110, 046802.	7.8	31
43	Tuning two-dimensional band structure of Cu(111) surface-state electrons that interplay with artificial supramolecular architectures. Physical Review B, 2013, 88, .	3.2	42
44	Visualization and Manipulation of Individual Dopant States in Single Conjugated Oligomers. ACS Nano, 2012, 6, 3404-3410.	14.6	5
45	Single-Molecule Resolution of an Organometallic Intermediate in a Surface-Supported Ullmann Coupling Reaction. Journal of the American Chemical Society, 2011, 133, 13264-13267.	13.7	277
46	Vibronic state assisted resonant transport in molecules strongly anchored at an electrode. Physical Review B, 2011, 83, .	3.2	7
47	Resolving Band-Structure Evolution and Defect-Induced States of Single Conjugated Oligomers by Scanning Tunneling Microscopy and Tight-Binding Calculations. Physical Review Letters, 2011, 106, 206803.	7.8	32
48	Heterochiral Diastereomer-Discriminative Diphenes That Form Hierarchical Superstructures with Nonlinear Optical Properties. JACS, 2011, 133, 12600-12604.	7.9	0